

Cristã³vÃ£o da Cruz e Silva

List of Publications by Year in descending order

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428
papers

22,377
citations

9786

73
h-index

16183

124
g-index

440
all docs

440
docs citations

440
times ranked

9837
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the c-jet mistagging efficiency in $\sqrt{s}=13$ TeV events using pp collision data at $\sqrt{s}=13$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, Search for Higgs boson decays into a pair of pseudoscalar particles in the $b\bar{b}$ final state with the ATLAS detector in $\sqrt{s}=13$ TeV collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	3.9	14
2	Search for Higgs boson decays into a pair of pseudoscalar particles in the $b\bar{b}$ final state with the ATLAS detector in $\sqrt{s}=13$ TeV collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	17
3	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
4	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 1.	3.9	8
5	Novel Exosome Biomarker Candidates for Alzheimer's Disease Unravelling Through Mass Spectrometry Analysis. Molecular Neurobiology, 2022, 59, 2838-2854.	4.0	13
6	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb^{-1} of pp collision data at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	10
7	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	2.9	23
8	A Bioinformatics Approach Toward Unravelling the Synaptic Molecular Crosstalk Between Alzheimer's Disease and Diabetes. Journal of Alzheimer's Disease, 2022, , 1-17.	2.6	3
9	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W \rightarrow \mu \nu$ events in Run 2 data. European Physical Journal C, 2022, 82, 1.	3.9	4
10	Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	3.9	7
11	Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s}=13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	3.9	2
12	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s}=7, 8$ and 13 TeV. European Physical Journal C, 2022, 82, 1.	3.9	12
13	Search for single production of a vectorlike T quark decaying into a Higgs boson and top quark with fully hadronic final states using the ATLAS detector. Physical Review D, 2022, 105, .	4.7	10
14	Search for long-lived charginos based on a disappearing-track signature using 136 fb^{-1} of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	3.9	13
15	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s}=13$ TeV proton-proton collision data. European Physical Journal C, 2021, 81, 1.	3.9	7
16	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
17	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
18	Measurement of the production cross section of pairs of isolated photons in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4

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19	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	4
20	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	28
21	Search for chargino-neutralino pair production in final states with two boosted hadronically decaying bosons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.	4.7	25
22	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow K^* \ell \bar{\nu}_\ell$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	3
23	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 43.	3.9	11
24	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020, 80, 4.	3.9	198
25	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8$ TeV with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2020, 80, 1164.	3.9	5
26	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. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	33
27	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. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	9
28	Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2019, 79, 702.	3.9	33
29	Measurement of exclusive Υ photoproduction from protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2019, 79, 277.	3.9	35
30	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 564.	3.9	50
31	Measurement of the top quark mass in the all-jets final state at $\sqrt{s} = 13$ TeV and combination with the lepton+jets channel. <i>European Physical Journal C</i> , 2019, 79, 313.	3.9	40
32	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in pp collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 773.	3.9	8
33	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 305.	3.9	4
34	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 421.	3.9	355
35	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. <i>European Physical Journal C</i> , 2019, 79, 368.	3.9	68
36	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 280.	3.9	29

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37	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$, $\sqrt{s} = 13$ Te. European Physical Journal C, 2019, 79, 364.	3.9	48
38	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$, $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 90.	3.9	34
39	Search for rare decays of Z and Higgs bosons to J/ψ and a photon in proton-proton collisions at $\sqrt{s} = 13$, $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 94.	3.9	20
40	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13$, $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 20.	3.9	18
41	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in pp collisions at $\sqrt{s} = 8$, $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 969.	3.9	6
42	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$, $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 886.	3.9	16
43	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in pp collisions at $\sqrt{s} = 8$, $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 969.	4.1	16
44	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13$, $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 291.	3.9	27
45	Measurements of the $pp \rightarrow Zp$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 165.	3.9	52
46	Measurement of associated $Z + \text{charm}$ production in proton-proton collisions at $\sqrt{s} = 8$, $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 287.	3.9	16
47	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
48	Azimuthal anisotropy of charged particles with transverse momentum up to $100 \text{ GeV}/c$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Nuclear Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 195-216.	3.9	34
49	Measurement of the top quark mass with lepton+jets final states using pp collisions at $\sqrt{s} = 13$, $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 891.	3.9	34
50	Search for third-generation scalar leptoquarks decaying to a top quark and a τ lepton in pp collisions at $\sqrt{s} = 13$, $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 707.	3.9	46
51	Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 13$, $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 965.	3.9	39
52	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s} = 13$, $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 697.	3.9	17
53	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.	3.9	40
54	Measurement of the $Z/\gamma \rightarrow \tau\tau$ cross section in pp collisions at $\sqrt{s} = 13$ TeV and validation of $Z/\gamma \rightarrow \tau\tau$ cross section in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 708.	3.9	10

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55	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 701.	3.9	58
56	Measurement of prompt and nonprompt charmonium suppression in $PbPb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 509.	3.9	83
57	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
58	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
59	Measurements of the $\sigma(\text{pp} \rightarrow \text{ZZ})$ production cross section and the $\text{BR}(\text{Z} \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. , 2018, 78, 1.		3
60	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.	7.8	24
61	Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 147-170.	4.1	69
62	Observation of the decay $B \rightarrow \tau^+ \tau^- (2S) \bar{K}^0$ in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 66-86.		
63	Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 95, .	4.7	8
64	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 268-290.	4.1	25
65	Search for R -parity violating supersymmetry with displaced vertices in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 95, .	4.7	12
66	Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 95, .	4.7	9
67	Measurement of the $\sigma(\text{pp} \rightarrow t \bar{t} \gamma)$ production cross section using events in the $e^+ e^- \gamma$ final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 172.	3.9	40
68	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	54
69	Search for electroweak production of charginos in final states with two \tilde{l} , leptons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
70	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 92.	3.9	16
71	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
72	Measurement of prompt and nonprompt J/ψ production in pp and $PbPb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	3.9	53

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73	Suppression of $\Upsilon(1S)$, $\Upsilon(2S)$, and $\Upsilon(3S)$ quarkonium states in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 380-402.	4.1	74
74	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
75	Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 80-105.	4.1	14
76	Measurement of the cross section for electroweak production of $Z\tau^3$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 380-402.	4.1	34
77	Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 103-129.	4.1	35
78	Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s} = 8$ TeV using the α_T variable. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 403-430.	4.1	15
79	Search for dijet resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 13$ TeV and combination with 8 TeV data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 520-542.	4.1	90
80	Search for dijet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter and other models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 520-542.	4.1	90
81	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 137-162.	4.1	17
82	Observation of Charge-Dependent Azimuthal Correlations in Pb-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect. Physical Review Letters, 2017, 118, 122301.	7.8	15
83	Evidence for collectivity in pp collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 193-220.	4.1	243
84	Search for Supersymmetry in Pb-Pb Collisions at the LHC. Physical Review Letters, 2017, 118, 122301.	7.8	15
85	Search for Supersymmetry in pp collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 193-220.	7.8	62
86	Measurement of the differential cross sections for the associated production of a W boson and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 96, .	4.7	19
87	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
88	Pseudorapidity dependence of long-range two-particle correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 96, .	2.9	6
89	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
90	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

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91	Search for supersymmetry in the all-hadronic final state using top quark tagging in $\sqrt{s}=13$ TeV proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2017, 96, 014011.	4.7	10
92	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.	7.8	54
93	Correlations in Pb-Pb and $\sqrt{s}=13$ TeV pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 119, 111802.	7.8	32
94	Toward Neuroproteomics in Biological Psychiatry: A Systems Approach Unravels Okadaic Acid-Induced Alterations in the Neuronal Phosphoproteome. OMICS A Journal of Integrative Biology, 2017, 21, 550-563.	2.0	8
95	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.	7.8	35
96	Search for standard model production of four top quarks in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 336-358.	4.1	11
97	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
98	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 50-71.	4.1	9
99	Measurement of the charm jet cross section and nuclear modification factor in pPb collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 306-329.	4.1	27
100	Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 391-412.	4.1	5
101	Search for high-mass Z^0 resonances in proton-proton collisions at $\sqrt{s}=13$ TeV using jet substructure techniques. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 469-511.	4.1	20
102	Search for high-mass Z^0 resonances in proton-proton collisions at $\sqrt{s}=13$ TeV using jet substructure techniques. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 306-329.	4.1	20
103	Search for high-mass Z^0 resonances in proton-proton collisions at $\sqrt{s}=13$ TeV using jet substructure techniques. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 469-511.	4.1	20
104	Search for $t\bar{t}\gamma$ 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
105	Search for $t\bar{t}\gamma$ 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
106	Cross section measurement of t-channel single top quark production in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 752-776.	4.1	14
107	Measurement of differential cross sections for top quark pair production using the $\sqrt{s}=13$ TeV final state in proton-proton collisions at 13 TeV. Physical Review D, 2017, 95, 014011.	4.7	50
108	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\tau\tau$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14

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109	Observation of Top Quark Production in Proton-Nucleus Collisions. <i>Physical Review Letters</i> , 2017, 119, 242001.	7.8	23
110	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	48
111	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	35
112	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	13
113	Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 775, 1-24.	4.1	40
114	Measurement of the semileptonic $t\bar{t}\hat{A}^0$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	11
115	Mechanical stability of the CMS strip tracker measured with a laser alignment system. <i>Journal of Instrumentation</i> , 2017, 12, P04023-P04023.	1.2	0
116	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. <i>European Physical Journal C</i> , 2017, 77, 710.	3.9	98
117	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	14
118	Search for leptophobic $Z\hat{A}^0$ bosons decaying into four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 773, 563-584.	4.1	24
119	CMS Collaboration. <i>Nuclear Physics A</i> , 2017, 967, 965-982.	1.5	1
120	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	23
121	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	14
122	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2017, 95, .	4.7	12
123	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	23
124	Measurement of the differential inclusive B^+ hadron cross sections in pp collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 771, 435-456.	4.1	24
125	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>European Physical Journal C</i> , 2017, 77, 252.	3.9	82
126	Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions. <i>European Physical Journal C</i> , 2017, 77, 327.	3.9	32

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127	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.	3.9	23
128	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
129	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8,$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	95
130	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.	3.9	38
131	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.	7.8	40
132	Measurement of electroweak-induced production of Wt^3 with two jets in pp collisions at $\sqrt{s} = 8$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
133	Searches for $W\epsilon^2$ 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
134	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
135	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
136	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
137	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	27
138	Principal-component analysis of two-particle azimuthal correlations in PbPb and $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	27
139	Search for Higgs boson pair production in the $b\bar{b}\ell\ell$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 315-337.	4.1	45
140	Measurement of vector boson scattering and constraints on anomalous quartic couplings in Wt^3 events with four leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	18
141	Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 315-337.	4.7	31
142	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
143	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15

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145	Measurement of the $t\bar{t}$ 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
146	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
147	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 $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2017, 77, 578.	3.9	57
148	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
149	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
150	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
151	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
152	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
153	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
154	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
155	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
156	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
157	Search for high-mass $Z\bar{\nu}\nu$ resonances in $e^+e^- \rightarrow \bar{\nu}\nu$ and $\bar{\nu}\nu + \bar{\nu}\nu$ 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
158	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying \bar{l}_ν , 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
159	Search for CP violation in $t\bar{t}$ 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
160	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ $s = 8 \text{ TeV}$ and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	3.9	23
161	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
162	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

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164	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ using $H \rightarrow \tau^+ \tau^-$ WW decays. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
165	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
166	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
167	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
168	Measurement of the $W^+ W^-$ 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
169	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
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171	Reconstruction and identification of τ , lepton decays to hadrons and $\tau \rightarrow \mu \nu_\tau$ at CMS. Journal of Instrumentation, 2016, 11, P01019-P01019.	1.2	85
172	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2016, 94, 112004.	4.7	73
173	Search for helicity fractions in the decays of top quark pairs to lepton + jets final states produced in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 512-534.	4.1	25
174	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
175	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e \mu$ pair in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 317.	3.9	16
176	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV. Physical Review D, 2016, 94, .	4.7	47
177	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
178	Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at 7 TeV. Physical Review D, 2016, 94, .	4.7	5
179	Measurement of the ZZ production cross section and Z $\rightarrow \tau^+ \tau^-$ branching fraction in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2016, 94, .	4.1	22
180	Searches for parity-violating supersymmetry in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2016, 94, .	4.7	9

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181	Measurement of the integrated and differential $t\bar{t}$ production cross sections for high- p_T top quarks in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, .	4.7	24
182	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 6-31.	4.1	6
183	Angular analysis of the decay $B_0 \rightarrow K^* \ell^+ \ell^-$ from pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 424-448.	4.1	87
184	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
185	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	27
186	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	7
187	Search for neutral resonances decaying into a Z boson and a pair of b jets or $\tau^+\tau^-$, leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 369-394.	4.1	45
188	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 31-52.	4.1	6
189	Search for (0,0) polarizations versus particle multiplicity in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 472-500.	4.1	44
190	Search for lepton flavour violating decays of the Higgs boson to $e\mu$, and $e\tau$ in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 178-201.	4.1	6
191	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 641-662.	4.1	17
192	Search for forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 325.	3.9	25
193	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
194	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2016, 76, 439.	3.9	64
195	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2016, 117, 051802.	7.8	73
196	Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $\sqrt{s}=7$ and 8 TeV. Physical Review D, 2016, 94, .	4.7	4
197	Search for vectorlike charge $\frac{1}{2}$ top quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 369-394.	4.1	6
198	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	27

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199	Search for single production of scalar leptoquarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2016, 93, 074011. https://www.w3.org/1998/Math/MathML	4.7	27
200	Measurements of Λ spin correlations and top quark polarization using dilepton final states in $\sqrt{s} = 13$ TeV proton-proton collisions at ATLAS. <i>Physical Review D</i> , 2016, 93, 072004. https://www.w3.org/1998/Math/MathML	4.7	30
201	Search for supersymmetry in $\sqrt{s} = 13$ TeV proton-proton collisions at ATLAS. <i>Physical Review D</i> , 2016, 93, 072004. https://www.w3.org/1998/Math/MathML	4.7	13
202	Search for pair-produced vectorlike quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2016, 93, 074011. https://www.w3.org/1998/Math/MathML	4.7	11
203	Search for pair-produced vectorlike quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2016, 93, 074011. https://www.w3.org/1998/Math/MathML	4.7	41
204	Measurement of Long-Range Near-Side Two-Particle Angular Correlations in $\sqrt{s} = 13$ TeV Proton-Proton Collisions at ATLAS. <i>Physical Review D</i> , 2016, 93, 072004. https://www.w3.org/1998/Math/MathML	7.8	139
205	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2016, 93, 074011. https://www.w3.org/1998/Math/MathML	4.7	61
206	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2016, 93, 074011. https://www.w3.org/1998/Math/MathML	4.7	43
207	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2016, 93, 074011. https://www.w3.org/1998/Math/MathML	4.7	24
208	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2016, 93, 074011. https://www.w3.org/1998/Math/MathML	4.7	24
209	Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2016, 116, 052002. https://www.w3.org/1998/Math/MathML	7.8	20
210	Study of B Meson Production in $\sqrt{s} = 13$ TeV Proton-Proton Collisions at ATLAS. <i>Physical Review D</i> , 2016, 93, 072004. https://www.w3.org/1998/Math/MathML	7.8	20
211	Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2016, 116, 052002. https://www.w3.org/1998/Math/MathML	7.8	34
212	CMS Collaboration. Nuclear Physics A, 2016, 956, 945-963.	1.5	1
213	Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and Hadronic</i> , 2016, 357, 130-134. https://www.w3.org/1998/Math/MathML	4.1	6
214	Combined search for anomalous pseudoscalar HVV couplings in $\sqrt{s} = 13$ TeV proton-proton collisions at ATLAS. <i>Physical Review D</i> , 2016, 93, 072004. https://www.w3.org/1998/Math/MathML		

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217	Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at $s = 7 \sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	473
218	Search for dark matter particles in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV using the razor variables. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4
219	Search for s channel single top quark production in pp collisions at $s = 7 \sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
220	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}} = 5.02, \text{TeV}$ s NN. European Physical Journal C, 2016, 76, 372.	3.9	29
221	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $s = 7 \sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
222	Measurement of the $t \bar{t} \hat{A}^-$ production cross section in the $e\bar{e}\gamma$ channel in proton-proton collisions at $s = 7 \sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	41
223	Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at $s = 13 \sqrt{s}=13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
224	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
225	Evidence for exclusive $\hat{t}\hat{t}^* W + W \hat{a}^-$ production and constraints on anomalous quartic gauge couplings in pp collisions at $s = 7 \sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	42
226	Search for supersymmetry in pp collisions at $s = 13 \sqrt{s}=13$ TeV in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
227	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8, \text{TeV}$ s = 8 TeV. European Physical Journal C, 2016, 76, 460.	3.9	18
228	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $s = 7 \sqrt{s}=7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
229	Phenomenological MSSM interpretation of CMS searches in pp collisions at $s = 7 \sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	12
230	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
231	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76, \text{TeV}$ s = 2.76 TeV. European Physical Journal C, 2016, 76, 1.	3.9	26
232	Measurement of $t \bar{t} \hat{A}^-$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8, \text{TeV}$ s = 8 TeV. European Physical Journal C, 2016, 76, 379.	3.9	34
233	Measurement of the differential cross section and charge asymmetry for inclusive $p \rightarrow W^{\pm} + X$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
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236	Correlations between jets and charged particles in PbPb and pp collisions at $s_{NN} = 2.76 \sqrt{s_{\text{mathrm{NN}}}}=2.76 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
237	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
238	Search for excited leptons in proton-proton collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
239	Measurement of the ratio $\frac{B}{B^*}$		

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254	Measurement of the CP-violating weak phase β_s and the decay width difference Γ_{12} using the $B_s \rightarrow \mu^+ \mu^-$ decays. Physical Review Letters, 2016, 116, 071801.	4.1	30
255	Measurement of the CP-violating weak phase β_s and the decay width difference Γ_{12} using the $B_s \rightarrow \mu^+ \mu^-$ decays. Physical Review Letters, 2016, 116, 071801.	4.1	30
256	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
257	Search for heavy Majorana neutrinos in $e^+e^- \rightarrow \mu^+\mu^-$ jets and $e^+e^- \rightarrow \mu^+\mu^- \gamma$ jets events in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	35
258	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2016, 116, 071801.	7.8	114
259	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tau^+\tau^-$, leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
260	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
261	Searches for a heavy scalar boson H decaying to a pair of 125 GeV Higgs bosons hh or for a heavy pseudoscalar boson A decaying to Zh, in the final states with h $\rightarrow \tau^+\tau^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 217-244.	4.1	53
262	Search for exotic decays of a Higgs boson into undetectable particles and one or more photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 363-388.	4.1	13
263	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
264	Angular coefficients of Z bosons produced in pp collisions at $\sqrt{s}=8$ TeV and decaying to $\mu^+\mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 154-175.	4.1	57
265	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.	4.1	87
266	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and pPb collisions. Physical Review C, 2015, 92, .	2.9	140
267	Search for the standard model Higgs boson produced through vector boson fusion and decaying to $b\bar{b}$. Physical Review D, 2015, 92, .	4.7	43
268	Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 92, .	4.7	7
269	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 91, .	4.7	73
270	Study of final-state radiation in decays of Z bosons produced in pp collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2015, 91, .	4.7	5

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272	Constraints on the spin-parity and anomalous couplings of the Higgs boson in proton collisions at 7 and 8 TeV. Physical Review D, 2015, 92, .	4.7	185
273	Search for supersymmetry with photons in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 92, .	4.7	7
274	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. Physical Review D, 2015, 92, .	4.7	55
275	Evidence for Collective Multiparticle Correlations in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 012301.	7.8	177
276	Performance of electron reconstruction and selection with the CMS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P06005-P06005.	1.2	410
277	Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P08010-P08010.	1.2	168
278	Performance of the CMS missing transverse momentum reconstruction in pp data at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P02006-P02006.	1.2	93
279	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 221-243.	4.1	54
280	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
281	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
282	Search for lepton-flavour-violating decays of the Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 337-362.	4.1	193
283	Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 98-119.	4.1	63
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301	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 187-209.	4.1	63
302	Comparison of the $Z\bar{\nu}\nu + \text{jets}$ to $\bar{\nu}\nu + \text{jets}$ cross sections in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
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305	Search for new resonances decaying via WZ to leptons in proton-proton collisions at $\sqrt{s} = 8$ TeV. Measurement of the $Z\bar{\nu}\nu$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings in four-lepton final states at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 187-209.	4.1	30
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315	Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 91, .	4.7	90
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323	Search for supersymmetry using dijet variables in events with b -tagged jets in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 91, .	4.7	46
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331	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	78
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358	Measurements of W boson polarization in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	7.8	63
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365	Measurement of the Muon Charge Asymmetry in Inclusive Z Boson and Decaying to Bottom Quarks. Physical Review D, 2014, 89, .	4.7	64
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369	Measurement of the Ratio of Inclusive Jet Cross Sections Using the Anti- k_T Algorithm with Radius Parameters $R=0.5$ and $R=0.4$. Physical Review D, 2014, 89, .	4.7	4
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