

Ece Asilar

List of Publications by Year in descending order

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495
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17,221
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18436

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#	ARTICLE	IF	CITATIONS
1	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
2	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
3	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} ext {V}. European Physical Journal C, 2022, 82, 153.	1.4	14
4	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	1
5	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV}. European Physical Journal C, 2022, 82, 290.	1.4	18
6	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	13
7	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	1.6	5
8	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	12
9	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
10	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
11	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
12	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
13	Measurement of the inclusive $\overline{\text{t}}\text{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
14	Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	1.6	2
15	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	1.6	4
16	Observation of $B^0 \rightarrow \text{supersymmetry}(2S)K^0_{\text{charm}} \text{uppi}^+ \text{uppi}^-$ and $B^0_{\text{charm}} \rightarrow \text{supersymmetry}(2S)K^0_{\text{charm}}$ decays. European Physical Journal C, 2022, 82, .	1.4	1
17	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} ext {V}. European Physical Journal C, 2021, 81, 13.	1.4	33
18	Search for top squark pair production using dilepton final states in $\text{pp} \rightarrow \text{pp}$ collision data collected at $\sqrt{s} = 13$, ext {TeV}. European Physical Journal C, 2021, 81, 3.	1.4	33

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19	Measurements of $\sigma(\text{pp} \rightarrow \text{ZZ})$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2021, 81, 200.	1.4	24
20	Development and validation of HERWIG tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	1.4	12
21	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2021, 81, 378.	1.4	40
22	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2021, 81, 488.	1.4	35
23	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
24	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2021, 81, 629.	1.4	18
25	Search for a heavy vector resonance decaying to a ZZ boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2021, 81, 688.	1.4	9
26	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2021, 81, 723.	1.4	19
27	Measurements of angular distance and momentum ratio distributions in three-jet and $\text{ZZ} + \text{two-jet}$ final states in pp collisions. European Physical Journal C, 2021, 81, 852.	1.4	2
28	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
29	Correlations of azimuthal anisotropy Fourier harmonics with subevent cumulants in pPb collisions at $\sqrt{s_{NN}} = 8.16 \text{ TeV}$. Physical Review C, 2021, 103, .	1.1	1
30	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2021, 81, 970.	1.4	18
31	Observation of nuclear modifications in W^{\pm} boson production in pPb collisions at $\sqrt{s_{NN}} = 8.16 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135048.	1.5	18
32	Search for light pseudoscalar boson pairs produced from decays of the 125 GeV Higgs boson in final states with two muons and two nearby tracks in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135042.	1.5	28
33	Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135042.	1.5	12
34	Strange hadron production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review C, 2020, 101, .	1.1	10
35	Bose-Einstein correlations of charged hadrons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
36	Studies of Charm Quark Diffusion inside Jets Using Pb-Pb and pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review Letters, 2020, 125, 102001.	2.9	9

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37	COVER: conformational oversampling as data augmentation for molecules. Journal of Cheminformatics, 2020, 12, 18.	2.8	20
38	Multiparticle correlation studies in pp collisions at $\sqrt{s}=13$ TeV. Physical Review C, 2020, 101, .	1.1	9
39	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 43.	1.4	11
40	Image Based Liver Toxicity Prediction. Journal of Chemical Information and Modeling, 2020, 60, 1111-1121.	2.5	14
41	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
42	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s}=8$ TeV with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	1.4	5
43	Measurement of $t\bar{t}$ normalised multi-differential cross sections in pp collisions at $\sqrt{s}=13$ TeV, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	1.4	33
44	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two ℓ , leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	33
45	Search for a W boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
46	Search for top quark partners with charge $5/3$ in the same-sign dilepton and single-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
47	Inclusive search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV using razor variables and boosted object identification in zero and one lepton final states. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
48	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	17
49	Search for excited leptons in e^+e^- final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
50	Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1.	1.6	24
51	Centrality and pseudorapidity dependence of the transverse energy density in pp collisions at $\sqrt{s}=13$ TeV. Physical Review C, 2019, 100, .	1.1	6
52	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .	1.6	20
53	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	9
54	Search for pair production of second-generation leptoquarks at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .	1.6	32

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55	Search for pair production of first-generation scalar leptoquarks at $s=13\text{ TeV}$. Physical Review D, 2019, 99, .	1.6	31
56	Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02\text{ TeV}$. European Physical Journal C, 2019, 79, 702.	1.4	33
57	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 76-99.	1.5	6
58	Measurement of exclusive Υ photoproduction from protons in pPb collisions at $\sqrt{s_{NN}} = 5.02\text{ TeV}$. European Physical Journal C, 2019, 79, 277.	1.4	35
59	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s}=13\text{ TeV}$. European Physical Journal C, 2019, 79, 564.	1.4	50
60	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two muons and two b quarks in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 398-423.	1.5	41
61	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
62	Measurement of the top quark mass in the all-jets final state at $\sqrt{s}=13\text{ TeV}$ and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	1.4	40
63	Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134985.	1.5	36
64	An embedding technique to determine \tilde{l}, \tilde{l}^* , backgrounds in proton-proton collision data. Journal of Instrumentation, 2019, 14, P06032-P06032.	0.5	12
65	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ using the CMS detector. Journal of Instrumentation, 2019, 14, P07004-P07004.	0.5	83
66	Charged-particle angular correlations in XeXe collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$. Physical Review C, 2019, 100, .	2.9	17
67	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in $\sqrt{s} = 13\text{ TeV}$ collisions. European Physical Journal C, 2019, 79, 773.	1.4	8
68	Studies of Beauty Suppression via Nonprompt Mesons in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$. Physical Review Letters, 2019, 123, 022001.	2.9	17
69	Search for charged Higgs bosons in the $H_{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ decay channel in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
70	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$. European Physical Journal C, 2019, 79, 305.	1.4	4
71	Search for resonant production of second-generation sleptons with same-sign dimuon events in pp collisions at $\sqrt{s}=13\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 281-307.	1.5	36
72	A search for pair production of new light bosons decaying into muons in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 796, 131-154.	1.5	27

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73	Measurement of $B \rightarrow \mu^+ \mu^-$ meson production in pp and PbPb collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.5	14
74	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
75	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 011803.	2.9	12
76	Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 021801.	2.9	37
77	Search for supersymmetric partners of electrons and muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 140-166.	1.5	47
78	Non-Gaussian elliptic-flow fluctuations in PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 131-136.	1.5	12
79	Measurement of the Higgs boson production cross section in association with a top quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 345-368.	1.6	28
80	Search for an L gauge boson using 4ℓ events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 345-368.	1.5	49
81	Search for a low-mass \tilde{t}, \tilde{t}^* resonance in association with a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	9
82	Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at $\sqrt{s} = 13$ TeV via Higgs boson decays to \tilde{l}, \tilde{l}^* , leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
83	Search for the pair production of light top squarks in the $e^+e^- \rightarrow 4\ell$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
84	Measurement of associated production of a W boson and a charm quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 269.	1.4	35
85	Observation of prompt J/ψ meson elliptic flow in high-multiplicity pPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 172-194.	1.5	21
86	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 421.	1.4	355
87	Search for supersymmetry in events with a photon, jets, b -jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 444.	1.4	11
88	Measurements of the Higgs boson width and anomalous $H \rightarrow VV$ couplings from on-shell and off-shell production in the four-lepton final state. Physical Review D, 2019, 99, .	1.6	69
89	Measurements of the pp $\rightarrow t \bar{t} WZ$ 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
90	Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 96-129.	1.5	44

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91	Search for a $W\ell\bar{\nu}$ boson decaying to a l , lepton and a neutrino in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 107-111.	1.6	13
92	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. European Physical Journal C, 2019, 79, 368.	1.4	68
93	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	12
94	Measurement of inclusive very forward jet cross sections in proton-lead collisions at $\sqrt{s}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
95	Search for nonresonant Higgs boson pair production in the $b\bar{b}$ final state at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
96	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. European Physical Journal C, 2019, 79, 280.	1.4	29
97	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
98	Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 320-347.	1.5	53
99	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 364.	1.4	48
100	Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 520-551.	1.6	13
101	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 152001.	2.9	102
102	Jet Shapes of Isolated Photon-Tagged Jets in Pb-Pb and p-Pb Collisions at $\sqrt{s_{NN}}=2.76$ and 5.02 TeV. Physical Review Letters, 2019, 122, 152001.	2.9	24
103	Search for W Boson Decays to Three Charged Pions. Physical Review Letters, 2019, 122, 151802.	2.9	4
104	Measurement of prompt $T(2S)$ production cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 509-532.	1.5	15
105	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 90.	1.4	34
106	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
107	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
108	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	15

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109	Search for long-lived particles decaying into displaced jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .	1.6	28
110	Measurements of $\overline{\sigma}(\mathit{t}\overline{\mathit{t}})$ differential cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV using events containing two leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
111	Search for $\overline{\sigma}(\mathit{t}\overline{\mathit{t}})\mathit{H}$ production in the $\mathit{H}\rightarrow\mathit{b}\overline{\mathit{b}}$ decay channel with leptonic $\overline{\sigma}(\mathit{t}\overline{\mathit{t}})$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
112	Search for Narrow H^{\pm} Resonances in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 081804.	2.9	3
113	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
114	Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
115	Search for resonant $\overline{\sigma}(\mathit{t}\overline{\mathit{t}})$ production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	23
116	Observation of Single Top Quark Production in Association with a Z Boson in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 132003.	2.9	30
117	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
118	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
119	Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	40
120	Measurement of nuclear modification factors of $\mathit{J}/\psi(1S)$, $\mathit{J}/\psi(2S)$, and $\mathit{J}/\psi(3S)$ mesons in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 270-293.	1.6	16
121	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
122	Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .	1.6	16
123	Search for pair-produced three-jet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .	1.6	5
124	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
125	Measurement of the top quark polarization and $\overline{\sigma}(\mathit{t}\overline{\mathit{t}})$ spin correlations using dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 132003.	1.5	9
126	Measurement of the top quark polarization and $\overline{\sigma}(\mathit{t}\overline{\mathit{t}})$ spin correlations using dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 132003.	1.6	33

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127	Constraints on anomalous HV couplings from the production of Higgs bosons decaying to $\tilde{\chi}_1^0$ and $\tilde{\chi}_1^\pm$. Probing the chiral magnetic wave in $PbPb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV using charge-dependent azimuthal anisotropies. Physical Review C, 2019, 100, .	1.6	21
128	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
129	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 886.	1.4	16
131	Measurement of differential cross sections for Z boson pair production in association with jets at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 19-44.	1.5	40
132	Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. Physical Review Letters, 2018, 120, 071802.	2.9	40
134	Observation of Electroweak Production of Same-Sign W Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 251-272.	2.9	86
135	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2018, 78, 242.	2.9	39
136	Measurement of the Spitting Function in $PbPb$ Collisions at $\sqrt{s_{NN}} = 2.76$ TeV and $PbPb$ Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 251-272.	2.9	70
137	Measurement of quarkonium production cross sections in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 251-272.	2.9	38
138	Pseudorapidity distributions of charged hadrons in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV and 8.16 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
139	Observation of the Higgs boson decay to a pair of $\tilde{\chi}_1^0$, leptons with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 283-316.	1.5	125
141	Suppression of Excited $\tilde{\chi}_1^0$ States Relative to the Ground State in $PbPb$ Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Search for Higgs boson pair production in $PbPb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 39-63.	2.9	38
142	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}A_{1/2\pm}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
143	Search for heavy resonances decaying to a top quark and a bottom quark in the lepton+jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 39-63.	1.6	36
144	Search for heavy resonances decaying to a top quark and a bottom quark in the lepton+jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 39-63.	1.5	16

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145	Measurements of the $\sigma(\text{pp} \rightarrow Z\gamma)$ cross sections in association with leptons and neutrinos and their ratio using dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 291.	1.5	16
146	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
147	Measurements of the $\sigma(\text{pp} \rightarrow Z\gamma)$ production cross section and the $\text{BR}(Z \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 165.	1.4	52
148	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
149	Measurement of the inclusive $\sigma(\text{pp} \rightarrow Z\gamma)$ 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
150	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	0
151	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
152	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
153	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	63
154	Measurement of differential cross sections in the kinematic angular variable $\cos^2\theta^*$ for inclusive Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
155	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
156	Measurement of normalized differential $\sigma(\text{pp} \rightarrow Z\gamma)$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
157	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
158	Search for ZZ resonances in the $2\ell, 2\ell\gamma$ final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
159	Measurement of the $\sigma(\text{pp} \rightarrow Z\gamma)$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	27
160	Measurement of the $\sigma(\text{pp} \rightarrow Z\gamma)$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
161	Measurement of the $\sigma(\text{pp} \rightarrow Z\gamma)$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.5	11
162	Azimuthal anisotropy of charged particles with transverse momentum up to 100 GeV/c in PbPb collisions at $\sqrt{s} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 195-216.	1.4	11

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164	Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
165	Measurement of the groomed jet mass in PbPb and pp collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
166	Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at $s=13$ TeV. Physical Review D, 2018, 98, .	1.6	16
167	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
168	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.	1.6	19
169	Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	43
170	Pseudorapidity and transverse momentum dependence of flow harmonics in $\langle \text{math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mi} \rangle \text{p} \langle \text{mi} \rangle \langle \text{mi} \text{mathvariant="normal"} \rangle \text{Pb} \langle \text{mi} \rangle \langle \text{mi} \rangle \text{math}>$ and PbPb collisions. Physical Review C, 2018, 98, .	1.1	8
171	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
172	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two \tilde{l} , leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
173	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	26
174	Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
175	Charged-particle nuclear modification factors in XeXe collisions at $\sqrt{s_{\text{NN}}}=5.44$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
176	Precision measurement of the structure of the CMS inner tracking system using nuclear interactions. Journal of Instrumentation, 2018, 13, P10034-P10034.	0.5	11
177	Measurement of the top quark mass with lepton+jets final states using pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 891.	1.4	34
178	Angular analysis of the decay $B \rightarrow K^* \mu^+ \mu^-$ in proton-proton collisions at $s=8$ TeV. Physical Review D, 2018, 98, .	1.6	17
179	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
180	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57

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181	Event shape variables measured using multijet final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
182	Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .	1.6	24
183	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 241802.	2.9	50
184	Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .	1.6	17
185	Measurement of jet substructure observables in $\sqrt{s}=13$ TeV events from proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 242301.	1.6	24
186	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	23
187	Search for narrow and broad dijet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter mediators and other new particles. Journal of High Energy Physics, 2018, 2018, 1.	1.6	82
188	Search for $Z\tilde{l}^3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
189	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
190	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
191	Search for supersymmetry in events with a \tilde{l} , lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
192	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV Using Isolated Photon-Tagged Jets. Physical Review Letters, 2018, 121, 242301.	2.9	32
193	Search for the decay of a Higgs boson in the $\tilde{a}, \tilde{a}, \tilde{t}^3$ channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
194	Performance of reconstruction and identification of \tilde{l} , leptons decaying to hadrons and $\tilde{l}^* \rightarrow \tilde{l} + \gamma$ in pp collisions at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2018, 13, P10005-P10005.	0.5	69
195	Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 221802.	2.9	14
196	Search for third-generation scalar leptoquarks decaying to a top quark and a τ , lepton at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 707.	1.4	46
197	Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 965.	1.4	39
198	Studies of $B \rightarrow B_s \gamma$ and $B \rightarrow B_s \gamma^*$ decays. (5840)0 and (5840)0		

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200	Search for a heavy resonance decaying into a Z boson and a Z or W boson in 2τ final states at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
201	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 697.	1.4	17
202	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\tau$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
203	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.	1.4	40
204	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
205	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	25
206	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
207	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
208	Measurement of the $\sigma(\text{Z}/\gamma^* \rightarrow \text{au au})$ cross section in pp collisions at $\sqrt{s}=13$ TeV and validation of $\sigma(\text{Z}/\gamma^* \rightarrow \tau^+\tau^-)$. European Physical Journal C, 2018, 78, 708.	1.4	10
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210	Search for dark matter produced in association with a Higgs boson decaying to $\tau^+\tau^-$ or $\tau^+\tau^0$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
211	Search for additional neutral MSSM Higgs bosons in the $\tau^+\tau^-$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	73
212	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
213	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
214	Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
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218	Search for beyond the standard model Higgs bosons decaying into a $\overline{b}b$ pair in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
219	Observation of the $\Upsilon(3P)$ and $\Upsilon(2(3P))$ and Measurement of their Masses. Physical Review Letters, 2018, 121, 092002.	2.9	19
220	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in pp collisions at 8 TeV. European Physical Journal C, 2018, 78, 701.	1.4	58
221	Measurement of prompt and nonprompt charmonium suppression in $PbPb$ collisions at 5.02 TeV. European Physical Journal C, 2018, 78, 509.	1.4	83
222	Search for lepton flavour violating decays of the Higgs boson to $\tau\mu$, and $e\tau$, in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
223	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
224	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two b quarks and two τ , leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 462-488.	1.5	43
225	Observation of Higgs Boson Decay to Bottom Quarks. Physical Review Letters, 2018, 121, 121801.	2.9	219
226	Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, ..	1.6	39
227	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
228	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
229	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
230	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
231	Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	23
232	Search for a singly produced third-generation scalar leptoquark decaying to a τ , lepton and a bottom quark in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
233	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
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236	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	86
237	Search for Narrow Resonances in the $b\bar{b}$ -Tagged Dijet Mass Spectrum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 349-370.	2.9	36
238	Search for Higgs boson pair production in events with two bottom quarks and two tau leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 349-370.	1.5	55
239	Search for Charm quark and a neutralino in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 349-370.	1.5	19
240	Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in $PbPb$ collisions at the CERN Large Hadron Collider. Physical Review C, 2018, 97, 044907.	1.1	64
241	Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 120, 202301.	2.9	70
242	Search for pair production of excited top quarks in the lepton + jets final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 349-370.	1.5	8
243	Search for excited quarks of light and heavy flavor in $t\bar{t}$ jet final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 390-411.	1.5	7
244	Search for supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV using identified top quarks. Physical Review D, 2018, 97, .	1.6	23
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246	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
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248	Nuclear modification factor of D_0 mesons in PbPb collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 120, 202301.	1.5	101
249	Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 440-467.	1.5	13
250	Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 440-467.	1.5	47
251	Measurement of differential cross sections for the production of top quark pairs and of additional jets in $PbPb$ collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 120, 202301.	1.1	29
252	Measurement of differential cross sections for the production of top quark pairs and of additional jets in $PbPb$ collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 120, 202301.	1.6	30

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254	Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 358-384.	1.6	13
255	Search for pair production of vector-like quarks in the $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 432-454.	1.5	37
256	Measurement of the associated production of a single top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 358-384.	1.7	13
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259	Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	37
260	Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2018, 13, P06015-P06015.	0.5	180
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262	Search for Strange Hadrons in High-Multiplicity Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 082301.	2.9	48
263	Measurement of b hadron lifetimes in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 457.	1.4	15
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265	Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 97, .	1.6	36
266	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 062002.	2.9	22
267	Observation of Λ_c^+ production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 231801.	2.9	209
268	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
269	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

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273	Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 244-269.	1.5	33
274	Search for the production of a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 244-269.	2.9	47
275	Measurements of the $(\mathit{pp}) \rightarrow \mathit{ZZ}$ production cross section and the $(\mathit{pp}) \rightarrow \mathit{ZZ} + \mathit{4\ell}$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext}\{TeV\}$. , 2018, 78, 1.		3
276	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
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278	Observation of the decay $B \rightarrow \tau^+ \tau^- (2S) \bar{K}^+$ in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 66-86.	1.5	25
279	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, .	1.6	8
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283	Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 95, .	1.6	9
284	Measurement of the $t \bar{t} \hat{A}^-$ production cross section using events in the $e \mu \gamma$ final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 172.	1.4	40
285	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	54
286	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
287	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
288	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7$ and $\sqrt{s} = 8$ TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 236.	1.4	37

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292	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 \cancel{E}_T variable. European Physical Journal C, 2017, 77, 294.	1.4	29
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294	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.	1.5	34
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303	Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 118, 122001.	2.9	15
304	Measurement of the Run-1 B meson nuclear modification factor in $PbPb$ collisions at $\sqrt{s} = 2.76$ and 5.02 TeV. Physical Review Letters, 2017, 118, 122001.	2.9	62
305	Search for a heavy vector boson and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 96, 032001.	1.6	19
306	Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17

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308	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, 467.	1.1	59
309	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	52
310	Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review C, 2017, 96, .	1.4	23
311	Measurement of the top quark mass in the dileptonic decay channel using the mass observables M_{reco} and M_{bc} in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2017, 96, .	1.6	10
312	Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 96, .	1.6	12
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314	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	54
315	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.	2.9	32
316	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.	2.9	35
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318	Search for supersymmetry in events with photons and missing transverse energy in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 391-412.	1.6	103
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321	Search for the charm jet cross section and nuclear modification factor in pPb collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 306-329.	1.5	31
322	Search for the charm jet cross section and nuclear modification factor in pPb collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 306-329.	1.5	20
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326	Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 1-6.	1.5	14
327	Cross section measurement of t-channel single top quark production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 759-776.	1.6	13
328	Measurement of differential cross sections for top quark pair production using the lepton+jets final state in proton-proton collisions at 13 TeV . Physical Review D, 2017, 95, .	1.6	50
329	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\tau\bar{\tau}$ at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
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331	Observation of $Y(1S)$ pair production in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	48
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333	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 $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
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344	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. Physical Review D, 2017, 95, .	1.6	12
345	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
346	Measurement of the differential inclusive B+ hadron cross sections in pp collisions at $\sqrt{s}=8\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 435-456.	1.5	24
347	Suppression and azimuthal anisotropy of prompt and nonprompt $\psi(2S)$ production in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$. European Physical Journal C, 2017, 77, 252.	1.4	82
348	Searches for pair production of third-generation squarks in $\sqrt{s}=13\text{ TeV}$ pp collisions. European Physical Journal C, 2017, 77, 327.	1.4	32
349	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. European Physical Journal C, 2017, 77, 354.	1.4	23
350	Relative Modification of Prompt $\psi(2S)$ Production in PbPb Collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$. European Physical Journal C, 2017, 77, 252.	2.9	24
351	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s}=7, 8, \text{ and } 13\text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	95
352	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
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359	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
360	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	27

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362	Search for Higgs boson pair production in the final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2017, 118, 152301. Search for Higgs boson pair production in the	1.6	18
363	Measurement of charged pion, kaon, and proton production in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2017, 96, 012004. Search for a heavy composite Majorana fermion in the final state with two leptons and two quarks	1.6	48
364	Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2017, 118, 152301. Search for a heavy composite Majorana fermion in the final state with two leptons and two quarks	1.5	45
365	Search for a heavy composite Majorana fermion in the final state with two leptons and two quarks at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 365, 315-337.	1.6	13
366	Search for top squark pair production in pp collisions at $s = 13$ TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	31
367	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $s = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	15
368	Measurement of the $t\bar{t}\bar{A}^-$ production cross section using events with one lepton and at least one jet in pp collisions at $s = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	15
369	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $s = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	5
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372	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $s = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	29
373	Measurements of jet charge with dijet events in pp collisions at $s = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	17
374	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $s = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	21
375	Search for new physics with dijet angular distributions in proton-proton collisions at $s = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	15
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377	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	41
378	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	2

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381	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying l, ν , leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
382	Search for CP violation in $t\bar{t} \rightarrow t\bar{t} + \gamma$ production and decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	4
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385	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
386	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
387	Particle-flow reconstruction and global event description with the CMS detector. Journal of Instrumentation, 2017, 12, P10003-P10003.	0.5	348
388	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
389	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
390	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
391	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
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398	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, .	1.6	47
399	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
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402	Searches for R -parity-violating supersymmetry in γ production in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, .	1.6	9
403	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, .	1.6	24
404	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.	1.5	6
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406	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
407	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.	1.6	27
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410	Measurement of the $Z \rightarrow \tau\tau$ production cross section in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 472-500.	1.5	6
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413	Measurement of the $Z \rightarrow \tau\tau$ production cross section in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 641-662.	1.5	17
414	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 178-201.	1.5	6

#	ARTICLE	IF	CITATIONS
415	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.	1.6	13
416	Search for Narrow Resonances in Dijet Final States at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 117, 031802.	2.9	74
417	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
418	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
419	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
420	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
421	Search for vectorlike charged fermions in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, .		

#	ARTICLE	IF	CITATIONS
433	<p> B Meson Production in pp Collisions at $\sqrt{s}=13$ TeV </p> <p>Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s}=13$ TeV</p>	2.9	20
434	<p> Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and Combined Search for anomalous pseudoscalar HVV couplings in VH </p>	1.5	6
436			

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451	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.	1.6	6
452	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76, \sqrt{s} = 2.76$ TeV. European Physical Journal C, 2016, 76, 1.	1.4	26
453	Measurement of $t\bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8, \sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 379.	1.4	34
454	Measurement of the differential cross section and charge asymmetry for inclusive $p\bar{p} \rightarrow W^{\pm} + X$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	1.4	83
455	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
456	Search for $W\bar{t}$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	3
457	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
458	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
459	Search for excited leptons in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
460	Search for a Higgs boson decaying into $Z\gamma$ with low dilepton mass in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 341-362.	1.5	15
461	Search for $W\bar{t}$ decaying to tau lepton and neutrino in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 196-216.	1.5	18
462	Search for a low-mass pseudoscalar Higgs boson produced in association with a Z boson in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 196-216.	1.5	25
463	Study of Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 196-216.	1.5	14
464	Transverse Momentum Spectra of Inclusive Jets in pp Collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 196-216.	1.5	4
465	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 152-180.	1.5	27
466	Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse energy in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 9-35.	1.5	33
467	Measurement of the $t\bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 128.	1.4	14
468	Measurement of the $t\bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 128.	1.4	41

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469	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
470	Search for massive WH resonances decaying into the $\ell u \overline{\text{b}}$ final state at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 237.	1.4	30
471	Inclusive and differential measurements of the $B \rightarrow 0$ charge asymmetry in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.5	30
472	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.5	30
473	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
474	Search for heavy Majorana neutrinos in $e\hat{A}\pm e\hat{A}\pm\pm$ jets and $e\hat{A}\pm \hat{A}\pm\pm$ jets events in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	35
476	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2016, 116, 071801.	2.9	114
477	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into l, ν leptons in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
478	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.	1.4	62
479	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 $h \rightarrow \tau, \mu, e, \nu$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 217-244.	1.5	53
480	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.	1.5	13
481	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
482	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and $Pb \rightarrow Pb$ collisions. Physical Review C, 2015, 92, .	1.1	140
483	Search for the standard model Higgs boson produced through vector boson fusion and decaying to $b\bar{b}$. Physical Review D, 2015, 92, .	1.6	43
484	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. Physical Review D, 2015, 92, .	1.6	55
485	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in $b\bar{b}$ final states at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 221-243.	1.5	54
486	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24

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487	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
488	Search for a charged Higgs boson in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	81
489	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
490	Search for a light charged Higgs boson decaying to $c \hat{c}^-$ in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1-37.	1.6	44
491	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. Journal of High Energy Physics, 2015, 2015, 1.	1.6	92
492	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.		
493	Comparison of the $Z \hat{c}^- + \text{jets}$ to $\hat{c}^- + \text{jets}$ cross sections in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
494	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $s = 2.76 \sqrt{s} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	10
495	Pseudorapidity distribution of charged hadrons in proton-proton collisions at $\sqrt{s} = 13 \sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 143-163.	1.5	45