

Suneel Dutt

List of Publications by Year in descending order

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Version: 2024-02-01

510
papers

17,148
citations

22099

59
h-index

39575

94
g-index

523
all docs

523
docs citations

523
times ranked

9383
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of jet energy calibration and transverse momentum resolution in CMS. Journal of Instrumentation, 2011, 6, P11002-P11002.	0.5	508
2	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13$, $\sqrt{s}=8$ TeV. European Physical Journal C, 2019, 79, 421.	1.4	355
3	Particle-flow reconstruction and global event description with the CMS detector. Journal of Instrumentation, 2017, 12, P10003-P10003.	0.5	348
4	Evidence for collectivity in pp collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 193-220.	1.5	243
5	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. Journal of Instrumentation, 2018, 13, P05011-P05011.	0.5	241
6	Observation of $t\bar{t}$ production in association with a Higgs boson in the $t\bar{t}H$ channel. Physical Review Letters, 2018, 120, 231801.	2.9	209
7	Evidence for a Particle Produced in Association with Weak Bosons and Decaying to a Bottom-Antibottom Quark Pair in Higgs Boson Searches at the Tevatron. Physical Review Letters, 2012, 109, 071804.	2.9	201
8	Observation of Single Top-Quark Production. Physical Review Letters, 2009, 103, 092001.	2.9	199
9	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
10	Forward-backward asymmetry in top quark-antiquark production. Physical Review D, 2011, 84, .	1.6	188
11	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
12	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
13	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.	1.6	144
14	Evidence for a $B \rightarrow s\gamma$ decay. Physical Review Letters, 2016, 117, 022003.	2.9	132
15	Evidence for an anomalous like-sign dimuon charge asymmetry. Physical Review D, 2010, 82, .	1.6	127
16	Combination of Tevatron Searches for the Standard Model Higgs Boson in the WW Mode. Physical Review Letters, 2010, 104, 061802.	2.9	114
17	Combination of the top-quark mass measurements from the Tevatron collider. Physical Review D, 2012, 86, .	1.6	109
18	Evidence for an Anomalous Like-Sign Dimuon Charge Asymmetry. Physical Review Letters, 2010, 105, 081801.	2.9	108

#	ARTICLE	IF	CITATIONS
19	Observation of Charge-Dependent Azimuthal Correlations in pp Collisions and Its Implication for the Search for the Chiral Magnetic Effect. Physical Review Letters, 2017, 118, 122301.	2.9	101
20	Measurement of the W Boson Mass with the D0 Detector. Physical Review Letters, 2012, 108, 151804.	2.9	104
21	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	103
22	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
23	Nuclear modification factor of D0 mesons in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 474-496.	1.5	101
24	Search for charged Higgs bosons in top quark decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 682, 278-286.	1.5	99
25	Higgs boson studies at the Tevatron. Physical Review D, 2013, 88, .	1.6	98
26	Search for new phenomena with the M_{T2} variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 710.	1.4	98
27	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	95
28	b-Jet identification in the D0 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 490-517.	0.7	92
29	Measurement of the anomalous like-sign dijet charge asymmetry with pp collisions. Search for dijet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, .	1.6	91
30	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, .	1.5	90
31	Measurement of W Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	2.9	86
32	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
33	Measurement of prompt and nonprompt charmonium suppression in $PbPb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 509.	1.4	83
34	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	1.4	82
35	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
36	Measurement of Dijet Angular Distributions at $\sqrt{s} = 1.96$ TeV. Searches for Quark Compositeness and Extra Spatial Dimensions. Physical Review Letters, 2009, 103, 191803.	2.9	81

#	ARTICLE	IF	CITATIONS
37	Measurement of angular parameters from the decay $B_0 \rightarrow e^+ a_1^- \rightarrow e^+ K_1^{*0} \pi^+ \pi^-$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 147-170.	1.6	81
38	Measurement of the inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2009, 103, 141801.	1.6	78
39	Measurement of the top quark mass from the decay $t \rightarrow b W$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2013, 111, 081801.	1.6	75
40	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
41	Combination of cross section measurements and constraints on the mass of the top quark and its decays into charged Higgs bosons. Physical Review D, 2009, 80, 034004.	1.6	72
42	Measurement of prompt D^0 meson azimuthal anisotropy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 120, 202301.	2.9	70
43	Measurement of the top-quark pair production cross section from the Tevatron Collider. Physical Review D, 2014, 89, 034004.	2.9	70
44	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.	1.6	69
45	Measurement of the $t \bar{t} \hat{A}^-$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 368.	1.4	68
46	Search for the rare decay $B_s \rightarrow \tau^+ \tau^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 539-544.	1.5	67
47	Measurement of the W boson mass. Physical Review Letters, 2009, 103, 141801.	2.9	66
48	Combination of CDF and D0 W -Boson mass measurements. Physical Review D, 2013, 88, 034004.	1.6	66
49	Measurement of the inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2009, 103, 141801.	1.6	64
50	Measurement of the forward-backward asymmetry in top quark-antiquark production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2016, 116, 021801.	1.6	64
51	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.	1.6	64
52	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
53	Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in Pb-Pb collisions at the CERN Large Hadron Collider. Physical Review C, 2018, 97, 034907.	1.1	64

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55	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
56	Evidence for the Higgs boson decay to a bottom quark-antiquark pair. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 501-532.	1.5	63
57	Measurement of the Transverse Momentum Distribution in $Z \rightarrow \tau^+ \tau^-$ Collisions Using a Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2017, 119, 152301.	2.9	62
58	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	2.9	62
59	Search for a heavy neutral gauge boson in the dielectron channel with 5.4 fb^{-1} of data. Physical Review Letters, 2017, 119, 152301.	1.6	62
60	Measurement of the differential cross section for the production of top quark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.5	60
61	Measurement of the masses of the top quark from the $t\bar{t}$ production channel using 36.1 fb^{-1} of data. Physical Review Letters, 2017, 119, 152301.	1.5	59
62	Measurement of the differential cross section for the production of top quark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	59
63	Search for associated production of charginos and neutralinos in the trilepton final state using 2.3 fb^{-1} of data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 34-43.	1.1	59
64	Observation and studies of double top quark production at the Tevatron. Physical Review D, 2014, 90, .	1.6	58
65	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in $p\bar{p}$ collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2018, 78, 701.	1.4	58
66	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 578.	1.4	57
67	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
68	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
69	Improved determination of the width of the top quark. Physical Review D, 2012, 85, .	1.6	56
70	Observation of Single Top Quarks at the Tevatron. Physical Review Letters, 2014, 112, 231803.	2.9	56
71	Search for Next-to-Minimal Supersymmetric Higgs Bosons in the $t\bar{t}$ production channel using 36.1 fb^{-1} of data. Physical Review Letters, 2017, 119, 152301.	2.9	55
72	Search for Next-to-Minimal Supersymmetric Higgs Bosons in the $t\bar{t}$ production channel using 36.1 fb^{-1} of data. Physical Review Letters, 2017, 119, 152301.	2.9	55

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73	Bounds on an Anomalous Dijet Resonance in W +jets Production in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2011, 107, 011804.	2.9	55
74	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
75	Search for narrow 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, 2018, 778, 101-127.	1.5	55
76	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, 101-127.	1.5	55
77	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
78	Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of W and Z Bosons Using pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 119, 141802.	2.9	54
79	Search for charged Higgs bosons in the $H_{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
80	Measurement of prompt and nonprompt J/ψ production in pp and pp collisions at $\sqrt{s}=5.02$ TeV. European Physical Journal C, 2017, 77, 269.	1.4	53
81	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s}=8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	1.4	52
82	Measurements of the $pp \rightarrow Z Z$ 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.	1.4	52
83	Evidence for Spin Correlation in W Production. Physical Review Letters, 2012, 108, 032004.	2.9	50
84	Measurement of differential cross sections for top quark pair production using the $pp \rightarrow t\bar{t} + \text{jets}$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2017, 95, .	1.6	50
85	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 564.	1.4	50
86	Determination of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 032004.	1.6	48
87	Search for flavor changing neutral currents via quark-gluon couplings in single top quark production using 2.3 fb^{-1} of pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 032004.	1.5	48
88	Search for flavor changing neutral currents via quark-gluon couplings in single top quark production using 2.3 fb^{-1} of pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 032004.	1.5	48
89	Measurement of the top quark pair production cross section in the $pp \rightarrow t\bar{t} + \text{jets}$ channel in proton-antiproton collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 032004.	1.5	48
90	Measurement of the top quark pair production cross section in the $pp \rightarrow t\bar{t} + \text{jets}$ channel in proton-antiproton collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 032004.	1.6	48

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91	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	48
92	Measurement of charged pion, kaon, and proton production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 96.	1.6	48
93	Azimuthal anisotropy of charged particles with transverse momentum up to 100 GeV/c in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 195-216.	1.6	48
94	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
95	Search for the production of vector-like quarks in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.	1.5	47
96	Search for the production of vector-like quarks in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.	2.9	47
97	Search for the production of vector-like quarks in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.	1.5	46
98	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
99	Tevatron Combination of Single-Top-Quark Cross Sections and Determination of the Magnitude of the Cabibbo-Kobayashi-Maskawa Matrix Element. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 522-530.	2.9	45
100	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. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 682-705.	1.5	45
101	Search for resonances with left- and right-handed couplings to fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 145-150.	1.5	44
102	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.	1.4	44
103	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.	2.9	43
104	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
105	Search for Resonant Pair Production of Neutral Long-Lived Particles Decaying to $b\bar{b}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 103, 071801.	2.9	42
106	Model-independent measurement of t-channel single top quark production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.5	42
107	Search for vector-like T and B quark pairs in final states with leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
108	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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109	Measurements of differential cross sections of $Z \rightarrow \mu^+ \mu^-$ events in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 117, 121802.	1.5	40
110	Precision Measurement of the Ratio $B(\tau^+ W_b)/B(\tau^+ W_q)$ and Extraction of V_{tb} . Physical Review Letters, 2011, 107, 121802.	2.9	41
111	Measurement of the semileptonic charge asymmetry in B^0 meson mixing with the D0 detector. Physical Review D, 2012, 86.	1.6	41
112	Inclusive Production of the $X \rightarrow \mu^+ \mu^-$ and $X \rightarrow e^+ e^-$ Events in pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 117, 121802.	2.9	41
113	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 $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	41
114	Measurement of $b \rightarrow c$ and $b \rightarrow s$ Production Cross Sections in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 192002.	2.9	40
115	Evidence for Simultaneous Production of $Z \rightarrow \mu^+ \mu^-$ and $X \rightarrow \mu^+ \mu^-$ Events in pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2016, 116.	2.9	40
116	Measurement of the $t \rightarrow b \tau^+ \tau^-$ production cross section using events in the $t \rightarrow b \tau^+ \tau^-$ final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 172.	1.4	40
117	Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 1-24.	1.5	40
118	Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 221802.	2.9	40
119	Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. Physical Review Letters, 2018, 120, 071802.	2.9	40
120	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
121	Measurement of the top quark mass in the all-jets final state at $\sqrt{s} = 13$ TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	1.4	40
122	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
123	Measurement of the t-channel single top quark production cross section. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 682, 363-369.	1.5	39
124	Search for scalar bottom quarks and third-generation leptoquarks in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 117, 121802.	1.5	39
125	Measurement of the electron charge asymmetry in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 117, 121802.	1.6	39
126	Measurement of the electron charge asymmetry in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 117, 121802.	1.6	39

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127	Cross section measurement of t-channel single top quark production in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 965.	2.9	39
128	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
130	Measurement of the WW Production Cross Section with Dilepton Final States in pp Collisions at $\sqrt{s} = 1.96$ TeV and Limits on Anomalous Trilinear Gauge Couplings. Physical Review Letters, 2009, 103, 191801.	2.9	38
131	Observation of a narrow mass state decaying into $\Upsilon(1S) + \eta$ in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2012, 86, .	1.6	38
132	Measurement of angular correlations of jets at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 636.	1.5	38
133	Measurement of the Semileptonic Charge Asymmetry using $B_s \rightarrow D_s \ell \nu$ Decays. Physical Review Letters, 2013, 110, 011801.	2.9	38
134	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 845.	1.4	38
135	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 636.	1.4	38
136	Suppression of Excited Υ States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2018, 120, 142301.	2.9	38
137	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
138	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.	1.4	37
139	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
140	Odderon Exchange from Elastic Scattering Differences between π^+p and π^-p at $\sqrt{s} = 1.96$ TeV and from π^+p and π^-p at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 092301.	2.9	37
141	Combination of CDF and DO measurements of the W boson helicity in top quark decays. Physical Review D, 2012, 85, .	1.6	36
142	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b} \rightarrow \gamma\gamma$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	36
143	Search for Narrow Resonances in the $b\bar{b} \rightarrow \gamma\gamma$ Final State in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 092301.	2.9	36
144	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

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145	Search for Randall-Sundrum Gravitons in the Dielectron and Diphoton Final States with $\sqrt{s}=13$ TeV in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 104, 061804.	1.5	36
146	Data from $\sqrt{s}=13$ TeV pp collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2010, 104, 061804.	2.9	35
147	Measurement of the W boson helicity in top quark decays using $\sqrt{s}=13$ TeV collision data. Physical Review D, 2011, 83, .	1.6	35
148	Precise measurement of the top-quark mass from $\sqrt{s}=13$ TeV W boson decays. Physical Review D, 2011, 84, .	1.6	35
149	Search for W boson production rates as a function of jet transverse momentum in $\sqrt{s}=13$ TeV collisions. Physical Review Letters, 2011, 107, 032001.	1.5	35
150	Search for flavor changing neutral currents in decays of top quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 313-320.	1.5	35
151	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.	1.5	35
152	Search for anomalous Wtb couplings and flavour-changing neutral currents in t -channel single top quark production in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	2.9	35
153	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	35
154	Measurement of exclusive Υ photoproduction from protons in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2019, 79, 277.	1.6	35
155	Search for Higgs Boson Production in Dilepton and Missing Energy Final States with $\sqrt{s}=13$ TeV. Physical Review Letters, 2010, 104, 061804.	1.4	35
156	Measurement of spin correlation in $t\bar{t}$ production using dilepton final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 16-22.	2.9	34
157	Measurement of Spin Correlation in $t\bar{t}$ Production Using a Matrix Element Approach. Physical Review Letters, 2011, 107, 032001.	1.5	34
158	Double parton interactions in $t\bar{t}$ production. Physical Review Letters, 2014, 89, .	2.9	34
159	Measurement of the cross section for electroweak production of Z in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 770, 380-402.	1.6	34
160	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.	1.6	34
161	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.	1.5	34
162	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.	1.5	34

#	ARTICLE	IF	CITATIONS
163	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two \bar{l}, l leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
164	Measurement of the top quark mass with lepton+jets final states using $\mathcal{M}_{p\bar{p}}$ collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 891.	1.4	34
165	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
166	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
167	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.	1.5	33
168	Combined Tevatron upper limit on $\hat{\sigma}(W+W\bar{\nu})$ and constraints on the Higgs boson mass in fourth-generation fermion models. Physical Review D, 2010, 82, .	1.6	33
169	Determination of the Width of the Top Quark. Physical Review Letters, 2011, 106, 022001.	2.9	33
170	Production and Limits on Anomalous W Couplings	2.9	33
171	Limits on anomalous trilinear gauge boson couplings from WW, WZ and $W\bar{t}t$ production in	1.6	33
172	collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2012, 85,	1.5	33
173	Measurement of the W boson plus jets production in pp collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2013, 87, .	1.6	33
174	production cross section at $\sqrt{s}=13$ TeV. Physical Review D, 2013, 87, .	1.5	33
175	collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2013, 87, .	1.6	33
176	Measurement of leptonic asymmetries and top-quark polarization in $t\bar{t}$ production. Physical Review D, 2013, 87, .	1.6	33
177	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
178	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two \bar{l}, 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
179	Measurement of exclusive ρ^0 photoproduction in ultraperipheral Pb collisions at $\sqrt{s}=2.76$ TeV. European Physical Journal C, 2019, 79, 702.	1.4	33
180	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

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181	Search for Resonant Diphoton Production with the D0 Detector. Physical Review Letters, 2009, 102, 231801.	2.9	32
182	Search for neutral Higgs bosons in the multi-b-jet topology in $\sqrt{s} > 5.2$ TeV pp collisions. Physical Review Letters, 2012, 108, 261603.	2.9	32
183	Search for Violation of Lorentz Invariance in Top Quark Pair Production and Decay. Physical Review Letters, 2012, 108, 261603.	2.9	32
184	Combined Search for the Standard Model Higgs Boson Decaying to $b\bar{b}$ Using the D0 Run II Data Set. Physical Review Letters, 2012, 109, 121802.	2.9	32
185	Measurement of the $b\bar{b}$ production differential cross section in $\sqrt{s} > 5.2$ TeV pp collisions. Physical Review Letters, 2012, 108, 261603.	1.5	32
186	Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	1.4	32
187	Measurements of single top quark production cross sections and $ V_{tb} $ in $\sqrt{s} = 1.96$ TeV pp collisions. Physical Review D, 2011, 84, 074017.	1.6	31
188	Measurement of the differential $b\bar{b}$ production differential cross section and the ratio of differential cross section in $\sqrt{s} > 5.2$ TeV pp collisions. Physical Review Letters, 2012, 108, 261603.	1.5	31
189	Search for a narrow resonance in $b\bar{b}$ production in $\sqrt{s} > 5.2$ TeV pp collisions. Physical Review Letters, 2012, 108, 261603.	1.6	31
190	Search for heavy gauge $W_{\mu\nu}$ bosons in events with an energetic lepton and large missing transverse momentum at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 278-301.	1.5	31
191	Search for top squark pair production in pp collisions at $s = 13$ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
192	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	31
193	Measurement of the $b\bar{b}$ production cross section and top quark mass extraction using dilepton events in $\sqrt{s} > 5.2$ TeV pp collisions. Physical Review Letters, 2012, 108, 261603.	1.5	30
194	Search for a narrow resonance in $b\bar{b}$ production in $\sqrt{s} > 5.2$ TeV pp collisions. Physical Review Letters, 2012, 108, 261603.	1.6	30
195	Search for a narrow resonance in $b\bar{b}$ production in $\sqrt{s} > 5.2$ TeV pp collisions. Physical Review Letters, 2012, 108, 261603.	1.5	29
196	Measurement of differential $t\bar{t}$ production cross sections in $\sqrt{s} = 1.96$ TeV pp collisions. Physical Review D, 2014, 90, 074017.	1.6	29
197	A search for new phenomena in pp collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the α_T variable. European Physical Journal C, 2017, 77, 294.	1.4	29
198	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29

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200	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
201	Bose-Einstein correlations in pp , $p\bar{p}$, and PbPb collisions at $\sqrt{s}=13$ TeV. Physical Review C, 2018, 97, 054901.	1.1	29
202	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
203	Production cross sections using leptonic final states in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
204	Measurements of $\overline{\text{d}}\sigma/\text{d}\Omega$ 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
205	Search for $\text{H} \rightarrow \text{bb}$ production in the $\text{H} \rightarrow \text{bb}$ decay channel with leptonic $\text{H} \rightarrow \text{bb}$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
206	Measurement of $\text{H} \rightarrow \text{bb}$ production in the $\text{H} \rightarrow \text{bb}$ decay channel with leptonic $\text{H} \rightarrow \text{bb}$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.5	27
207	Search for Doubly Charged Higgs Boson Pair Production in pp collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 118, 021801.	2.9	27
208	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.	2.9	27
209	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.	1.5	27
210	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.	1.6	27
211	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. Physical Review Letters, 2017, 118, 021801.	1.4	27
212	Search for massive resonances decaying into WZ in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 118, 021801.	1.6	27
213	Measurement of the dijet invariant mass cross section in pp collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 97, 054901.	1.6	27
214	Measurement of the dijet invariant mass cross section in pp collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 97, 054901.	1.5	26
215	Search for CP violation in $B_s \rightarrow D_s^* X$ decays in pp collisions at $\sqrt{s}=13.6$ TeV. Physical Review D, 2010, 82, 054010.		26
216	Direct measurement of the mass difference between top and antitop quarks. Physical Review D, 2011, 84, 052004.	1.6	26

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218	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
219	Search for Dark Photons from Supersymmetric Hidden Valleys. Physical Review Letters, 2009, 103, 081802.	2.9	25
221	Search for charged Higgs bosons in decays of top quarks. Physical Review D, 2009, 80, .	1.6	25
222	Muon reconstruction and identification with the Run II DO detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 737, 281-294.	0.7	25
223	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.	1.5	25
224	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
225	Search for Diphoton Events with Large Missing Transverse Energy in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 221802.	2.9	24
226	Jet energy scale determination in the DO experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 442-475.	0.7	24
227	Measurement of the W^+W^-Z Boson Production Charge Asymmetry in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 433-456.	2.9	24
228	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
229	Measurement of the differential inclusive B^+ hadron cross sections in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 433-456.	1.5	24
230	Search for new long-lived particles at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 432-454.	2.9	24
231	Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1.	1.5	24
232	Search for the lightest scalar top quark in events with two leptons in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 433-456.	1.6	24
233	Measurement of $\sin^2 2\beta$ and Z -light quark couplings using the forward-backward charge asymmetry in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 84, .	1.5	23
234	Measurement of $\sin^2 2\beta$ and Z -light quark couplings using the forward-backward charge asymmetry in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 84, .	1.6	23

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235	Measurement of the $WZ\hat{\nu}\hat{\nu}^*$, $\hat{\nu}\hat{\nu}^*$, $\hat{\nu}\hat{\nu}^*$, $\hat{\nu}\hat{\nu}^*$ cross section and limits on anomalous triple gauge couplings in $pp\hat{\nu}\hat{\nu}^*$ collisions at $\sqrt{s}=1.96\text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 67-73.	1.5	23
236	Precise Measurement of the Top Quark Mass in the Dilepton Channel at D0. Physical Review Letters, 2011, 107, 082004.	2.9	23
237	Searches for anomalous top quark couplings with $\sqrt{s}=13\text{TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.5	23
238	Measurements of W and WZ Production in W +jets Final States in $pp\hat{\nu}\hat{\nu}^*$ Collisions. Physical Review Letters, 2012, 108, 181803.	2.9	23
239	Measurement of the jet mass in highly boosted $\overline{\text{t}}\text{t}$ events from pp collisions at $\sqrt{s}=8\text{TeV}$. European Physical Journal C, 2017, 77, 467.	1.4	23
240	Observation of Top Quark Production in Proton-Nucleus Collisions. Physical Review Letters, 2017, 119, 242001.	2.9	23
241	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
242	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
243	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s}=8\text{TeV}$ and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	1.4	23
244	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	23
245	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 $\sqrt{s}=13\text{TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	23
246	Search for supersymmetry in proton-proton collisions at 13TeV using identified top quarks. Physical Review D, 2018, 97, .	1.6	23
247	Search for resonant $\overline{\text{t}}\text{t}$ production in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	23
248	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.	1.6	23
249	Measurement of the $Z\hat{\nu}\hat{\nu}^*$ cross section and limits on anomalous triple gauge couplings in $pp\hat{\nu}\hat{\nu}^*$ collisions at $\sqrt{s}=1.96\text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 67-73.	1.5	23
250	Cross Section and Limits on Anomalous $Z\hat{\nu}\hat{\nu}^*$ Production in $pp\hat{\nu}\hat{\nu}^*$ Collisions at $\sqrt{s}=1.96\text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 67-73.	2.9	22
251	Search for anomalous Wtb couplings in single top quark production in pp collisions at $\sqrt{s}=13\text{TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
252	Search for anomalous Wtb couplings in single top quark production in pp collisions at $\sqrt{s}=13\text{TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.5	22

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253	Search for $t\bar{t}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
254	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.	1.6	22
255	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.	1.6	22
256	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying \tilde{l} , leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
257	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.	1.5	21
258	Measurement of the top quark mass in final states with two leptons. Physical Review D, 2009, 80, .	1.6	21
259	Search for Charged Massive Long-Lived Particles. Physical Review Letters, 2012, 108, 121802.	2.9	21
260	Search for Charged Massive Long-Lived Particles. Physical Review Letters, 2012, 108, 121802.	1.6	21
261	Search for Charged Massive Long-Lived Particles. Physical Review Letters, 2012, 108, 121802.	1.5	21
262	Measurement of the W boson mass with the D0 detector. Physical Review D, 2014, 89, .	1.6	21
263	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.	1.6	21
264	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	21
265	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
266	Search for beyond the standard model Higgs bosons decaying into a $b\bar{b}$ pair in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
267	Search for Anomalous Top-Quark Couplings with the D0 Detector. Physical Review Letters, 2009, 102, 092002.	2.9	20
268	Search for Events with Leptonic Jets and Missing Transverse Energy in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 211802.	2.9	20
269	Search for Anomalous Top-Quark Couplings with the D0 Detector. Physical Review Letters, 2009, 102, 092002.		

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271	Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 306-329.	1.6	20
272	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	20
273	Search for rare decays of Z and Higgs bosons to $\psi/\bar{\psi}$ and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 94.	1.4	20
274	Search for Sneutrino Production in Final States in $pp \rightarrow e\bar{\nu}_e + \dots$ collisions. <i>Physical Review Letters</i> , 2010, 105, 191802.	2.9	19
275	Measurement of the top-quark mass in $pp \rightarrow t\bar{t} + \dots$ collisions using events with two leptons. <i>Physical Review D</i> , 2012, 86, .	1.6	19
276	Measurement of the b lifetime in the exclusive decay $b \rightarrow c \ell \bar{\nu}_\ell$ in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2012, 85, .	1.6	19
277	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. <i>Physical Review D</i> , 2017, 96, .	1.6	19
278	Principal-component analysis of two-particle azimuthal correlations in PbPb and pp collisions at CMS. <i>Physical Review C</i> , 2017, 96, .	1.6	19
279	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	19
280	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. <i>Physical Review Letters</i> , 2018, 120, 241801.	2.9	19
281	Search for pair production of the scalar top quark in the electron+muon final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 696, 321-327.	1.5	18
282	Search for Resonant W and WZ Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011, 107, 011801.	2.9	18
283	Search for Single Vectorlike Quarks in pp Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011, 106, 081801.	2.9	18
284	Combined search for the Higgs boson with the D0 experiment. <i>Physical Review D</i> , 2013, 88, .	1.6	18
285	Improved b quark jet identification at the D0 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 763, 290-303.	0.7	18
286	Simultaneous measurement of forward-backward asymmetry and top polarization in dilepton final states from $t\bar{t}$ production at the Tevatron. <i>Physical Review D</i> , 2015, 92, .	1.6	18

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289	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. Search for Higgs boson pair production in the $b\bar{b}$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
290	Measurement of normalized differential $\overline{\sigma}(\mathit{t}\bar{\mathit{t}})$ 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
291	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
292	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
293	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
294	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
295	Search for $ZH \rightarrow l\bar{l} + b\bar{b}$ Production in $pp \rightarrow \mathit{t}\bar{\mathit{t}}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 251801.	2.9	17
296	Search for a Fermiophobic and Standard Model Higgs Boson in Diphoton Final States. Physical Review Letters, 2011, 107, 151801.	2.9	17
297	Search for neutral Higgs bosons in events with multiple bottom quarks at the Tevatron. Physical Review D, 2012, 86, .	1.6	17
298	Measurement of Associated Production of Z Bosons with Charm Quark Jets in $pp \rightarrow \mathit{t}\bar{\mathit{t}}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2014, 112, 042001.	2.9	17
299	Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
300	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.	1.5	17
301	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
302	Measurement of electroweak-induced production of Wl^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.	1.6	17
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308	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
309	Search for the decay of a Higgs boson in the $\hat{a}, \hat{a}, \hat{1}^3$ channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
310	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
311	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
312	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
313	Direct Measurement of the Mass Difference between Top and Antitop Quarks. Physical Review Letters, 2009, 103, 132001.	2.9	16
314	Search for a Resonance Decaying into WZ Boson Pairs in pp Collisions. Physical Review Letters, 2010, 104, 061801.	2.9	16
315	Search for first generation leptoquark pair production in the electron + missing energy + jets final state. Physical Review D, 2011, 84.	1.6	16
316	Search for WH associated production in 5.3 fb^{-1} of pp collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2012, 109, 121803.	1.5	16
317	Search for the Standard Model Higgs Boson in $ZH\hat{1}^3$ Production with the D0 Detector in 9.7 fb^{-1} of pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2012, 109, 121803.	2.9	16
318	Search for Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2015, 111, 011801.	1.5	16
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321	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 Hadronic Physics, 2017, 367, 121001.	1.5	16
322	Measurements of associated $Z + \text{charm}$ production in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2018, 78, 287.	1.5	16
323	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
324	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

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328	Search for the Standard Model Higgs Boson in the $ZH \rightarrow \tau\tau$ Channel in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 104, 071801.	2.9	15
329	Measurement of color flow in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2011, 83, .	1.6	15
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331	Search for Supersymmetry in pp Collisions at $\sqrt{s} = 13$ TeV in the Single-Lepton Final State Using the Sum of Masses of Large-Radius Jets. Physical Review Letters, 2017, 119, 151802.	2.9	15
332	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.	1.6	15
333	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.	1.6	15
334	Measurement of the $t\bar{t}$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
335	Search for new physics with dijet angular distributions in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
336	Measurement of the polarization and angular parameters in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
337	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
338	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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341	Search for the Standard Model Higgs Boson in Tau Final States. Physical Review Letters, 2009, 102, 251801.	2.9	14
342	Measurement of the ratio of inclusive cross sections $\sigma(pp \rightarrow Z + b\bar{b} \text{ quark jet}) / \sigma(pp \rightarrow Z + \text{jet})$ at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2011, 83, .	1.6	14

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344	Search for Higgs bosons decaying to $b\bar{b}$ pairs in pp collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2013, 87, .	1.5	14
345	Search for the rare decay $B_s \rightarrow \tau^+ \tau^-$. <i>Physical Review D</i> , 2013, 87, .	1.6	14
346	Measurement of the ratio of differential cross sections $\frac{d\sigma(pp \rightarrow Z + b\bar{b} + \text{jet})}{d\sigma(pp \rightarrow Z + \text{jet})}$ in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2013, 87, .	1.6	14
347	Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV in the single-lepton final state using the sum of masses of large-radius jets. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	14
348	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. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 771, 80-105.	1.5	14
349	Search for single production of a heavy vector-like quark decaying into a b quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 771, 80-105.	1.5	14
350	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\tau^+\tau^-$ at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	14
351	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.	1.6	14
352	Search for black holes and other new phenomena in high-multiplicity 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, 774, 279-307.	1.6	14
353	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.	1.6	14
354	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	14
355	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	14
356	Studies of $B_s \rightarrow \tau^+ \tau^-$ and $B_s \rightarrow \tau^+ \tau^- + \text{jet}$ at $\sqrt{s} = 13$ TeV.		

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362	Measurement of the Z production cross section in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 82.	1.6	13
363	Search for associated Higgs boson production using like charge dilepton events in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 84, .	1.5	13
364	Search for pair production of the scalar top quark in $\mu\text{on}+\tau$ final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 578-586.	1.6	13
365	Measurement of the Effective Weak Mixing Angle in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2015, 115, 041801.	2.9	13
366	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.	1.6	13
367	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
368	Combined Forward-Backward Asymmetry Measurements in Top-Antitop Quark Production at the Tevatron. Physical Review Letters, 2018, 120, 042001.	2.9	13
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370	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
371	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
372	Search for parity-violating supersymmetry in pp collisions at $\sqrt{s}=13$ TeV using b jets in a final state with a single lepton, many jets, and high sum of large-radius jet masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 114-139.	1.5	13
373	Jet properties in PbPb and pp collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
374	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
375	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
376	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
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380	Measurement of $\theta_{\tilde{t}\tilde{t}^*}$ cross section using high-multiplicity jet events. Physical Review D, 2010, 82, .	1.6	12
381	Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs Produced in Association with b Quarks in $pp \rightarrow \tilde{H}^0$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2011, 107, 29121801.	2.9	12
382	Search for \tilde{R} -parity violating supersymmetry with displaced vertices in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 117, 111801.	1.6	12
383	Search for \tilde{A}^0 decay channel using the mass observables $m_{\tilde{A}^0 \rightarrow \tau\tau}$ and $m_{\tilde{A}^0 \rightarrow b\bar{b}}$ in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 117, 111801.	1.6	12
384	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, 363-387.	1.6	12
385	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2017, 95, .	1.6	12
386	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
387	Measurement of the groomed jet mass in PbPb and pp collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
388	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
389	Search for dark matter produced in association with a Higgs boson decaying to $\tilde{\chi}_1^0 \tilde{\chi}_1^0$ or $\tilde{\chi}_1^0, \tilde{\chi}_1^{\pm}, \tilde{a}^0$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
390	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
391	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
392	Search for Neutral Higgs Bosons at High p_T in the $h(H/A) \rightarrow b\bar{b}, \tau\tau, \tilde{a}^0$ Channel. Physical Review Letters, 2009, 102, 051804.	2.9	11
393	Search for single top quarks in the tau + jets channel using 4.8 fb $^{-1}$ of $pp \rightarrow t\tau$ collision data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 5-14.	1.5	11
394	Search for the Associated Production of a b Quark and a Neutral Supersymmetric Higgs Boson that Decays into $\tau\tau$ Pairs. Physical Review Letters, 2010, 104, 151801.	2.9	11
395	Measurement of the inclusive dijet azimuthal decorrelations in $pp \rightarrow t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 117, 111801.	1.5	11
396	Measurement of the inclusive dijet azimuthal decorrelations in $pp \rightarrow t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 117, 111801.	1.6	11

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398	Search for standard model production of four top quarks in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 336-358.	1.5	11
399	Measurement of the semileptonic $t \bar{t} \rightarrow \tau^+ \tau^- + \bar{\nu}_\tau$ production cross section in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
400	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ using $H \rightarrow WW$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
401	Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 118-147.	1.5	11
402	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
403	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
404	Search for supersymmetry in events with a photon, jets, b -jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2019, 79, 444.	1.4	11
405	Search for nonresonant Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
406	Study of the underlying event in top quark pair production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2019, 79, 123.	1.4	11
407	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
408	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2020, 80, 43.	1.4	11
409	Study of the decay $B_s^0 \rightarrow \tau^+ \tau^- (1525) \pi^+ \pi^- K^+ K^-$ final states. Physical Review D, 2012, 86, .	1.6	10
410	Measurement of the differential cross section of photon plus jet production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 336-358.	1.6	10
411	Search for the standard model Higgs boson in the four lepton final state in pp collisions. Search for Violation of Lorentz Invariance in $B \rightarrow P T C$ and Meson Oscillations. Physical Review Letters, 2015, 115, 161601.	1.6	10
412	Search for Violation of Lorentz Invariance in $B \rightarrow P T C$ and Meson Oscillations. Physical Review Letters, 2015, 115, 161601.	2.9	10
413	Precise measurement of the top quark mass in dilepton decays using optimized neutrino weighting. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 18-26.	2.9	10
414	Precise measurement of the top quark mass in dilepton decays using optimized neutrino weighting. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 18-26.	1.5	10

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416	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
417	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.	1.6	10
418	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2018, 78, 242.	1.4	10
419	Search for Higgs boson pair production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
420	Measurement of the $\sigma(pp \rightarrow Z \gamma \gamma) / \sigma(pp \rightarrow Z \gamma)$ cross section in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ and validation of $\sigma(pp \rightarrow Z \gamma \gamma)$. European Physical Journal C, 2018, 78, 708.	1.4	10
421	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u \bar{u} \rightarrow q \bar{q}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
422	Search for vectorlike light-flavor quark partners in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2018, 97, 114011.	1.6	10
423	Search for the Standard Model Higgs Boson in the $pp \rightarrow H \rightarrow W \gamma$ decay channel. Physical Review Letters, 2011, 106, 171802.	1.6	10
424	Search for the standard model Higgs boson in tau lepton final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 237-245.	1.5	9
425	Search for the standard model Higgs boson in $pp \rightarrow H \rightarrow \tau \tau$ final states in $pp \rightarrow H \rightarrow \tau \tau$ collisions with the ATLAS detector. Physical Review D, 2013, 88, 112002.	1.6	9
426	Measurement of the $pp \rightarrow H \rightarrow \tau \tau$ distribution of muon pairs with masses between 30 and 500 GeV in $pp \rightarrow H \rightarrow \tau \tau$ collisions. Physical Review D, 2015, 91, 112002.	1.6	9
427	Inclusive search for supersymmetry using razor variables in pp collisions at $s = 13 \text{ TeV}$. Physical Review D, 2017, 95, 112002.	1.6	9
428	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
429	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e \tau$ final states in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
430	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2018, 78, 1.	1.4	9
431	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2019, 79, 1.	1.4	9
432	Search for a low-mass \tilde{t}_1 resonance in association with a bottom quark in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	9

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434	Search for a Higgs boson in diphoton final states with the D0 detector in $\sqrt{s}=1.96$ TeV. Physical Review D, 2013, 88, .	1.6	8
435	Search for top quark production in $\sqrt{s}=1.96$ TeV. Physical Review D, 2013, 88, .	1.5	8
436	Measurement of the top quark mass using the matrix element technique in dilepton final states. Physical Review D, 2016, 94, .	1.6	8
437	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
438	Searches for $W\tilde{\chi}^0_1$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
439	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, 315-327.	1.6	8
440	Pseudorapidity distributions of charged hadrons in proton-lead collisions at $\sqrt{s_{NN}}=5.02$ and 8.16 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
441	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
442	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
443	Measurement of the Effective Weak Mixing Angle in $pp \rightarrow Z\tilde{\nu}^* \tilde{\nu}^* + \text{hadrons}$ Events. Physical Review Letters, 2018, 120, 241802.	2.9	8
444	Properties of $Z\tilde{c}^{\pm}(3900)$ produced in $pp \rightarrow Z\tilde{c}^{\pm}$ collisions. Physical Review D, 2019, 100, .	1.6	8
445	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
446	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in $\sqrt{s}=13$ TeV collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 773.	1.4	8
447	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, 2019, 2019, 1.	1.6	8
448	High mass exclusive diffractive dijet production in $\sqrt{s}=1.96$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 715, 257-267.	1.5	7
449	Search for $Z\tilde{\nu}^0$ events with large missing transverse energy in $pp \rightarrow Z\tilde{\nu}^0$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2012, 86, .	1.6	7
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451	Measurement of the ratio of three-jet to two-jet cross sections in $\sqrt{s}=1.96$ TeV. Physical Review D, 2013, 87, .	1.5	7
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453	Measurement of the differential cross section and the ratio of three-jet to two-jet cross section and the ratio of three-jet to two-jet cross section in $\sqrt{s}=1.96$ TeV. Physical Review D, 2013, 87, .		

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470	A novel method for modeling the recoil in W boson events at hadron colliders. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 609, 250-262.	0.7	5
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472	Measurement of the directCP-violating parameterACP in the decay $D \rightarrow K^0 \pi^+ \pi^-$. Physical Review D, 2014, 90, .	1.6	5
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479	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	5
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485	Search for CP violation in $t\bar{t}$ 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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487	Search for ZZ resonances in the $2\hat{a}, "2\hat{1}/2$ final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
488	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
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505	Measurement of the forward-backward asymmetries in the production of Λ^0 baryons in pp collisions. Physical Review D, 2016, 93, .	1.6	1
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