

Bodhitha Anjalike Jayatilaka

List of Publications by Year in descending order

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178
papers

5,204
citations

94433

37
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118850

62
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184
all docs

184
docs citations

184
times ranked

7111
citing authors

#	ARTICLE	IF	CITATIONS
1	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
2	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	3.9	198
3	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 13.6$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	3.9	123
4	Measurement of the top quark forward-backward production asymmetry and its dependence on event kinematic properties. Physical Review D, 2013, 87, .	4.7	122
5	Observation of the Baryonic Flavor-Changing Neutral Current Decay $B \rightarrow \Lambda^0 \bar{K}^0$ and $B \rightarrow \Lambda^0 \bar{K}^*$. Physical Review Letters, 2012, 108, 081807.	7.8	121
6	Measurements of the Angular Distributions in the Decays $B \rightarrow \Lambda^0 \bar{K}^*$ and $B \rightarrow \Lambda^0 \bar{K}^0$. Physical Review Letters, 2012, 108, 081807.	7.8	108
7	Precise Measurement of the W -Boson Mass with the CDF II Detector. Physical Review Letters, 2012, 108, 151803.	7.8	106
8	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	103
9	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.	4.7	101
10	Measurement of the Difference in CP-Violating Asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^+ \bar{K}^-$ Decays at CDF. Physical Review Letters, 2012, 109, 111801.	7.8	88
11	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	86
12	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	1.2	84
13	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 75.	3.9	78
14	Search for $B \rightarrow s \gamma$ and $B \rightarrow s \ell^+ \ell^-$ decays. Physical Review Letters, 2011, 107, 191801.	7.8	74
15	Search for Dark Matter in Events with One Jet and Missing Transverse Energy in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 108, 211804.	7.8	73
16	Searches for physics beyond the standard model with the M_{T2} variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 3.	3.9	70
17	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.	3.9	68
18	Measurement of CP-violating asymmetries in $D^0 \rightarrow \bar{K}^+ \bar{K}^-$ and $D^0 \rightarrow K^+ K^-$ decays at CDF. Physical Review D, 2012, 85, .	4.7	65

#	ARTICLE	IF	CITATIONS
19	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	3.9	64
20	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	63
21	Measurement of the Bottom-Strange Meson Mixing Phase in the Full CDF Data Set. Physical Review Letters, 2012, 109, 171802.	7.8	62
22	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62
23	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	57
24	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.	3.9	55
25	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	54
26	Global search for new physics with $\sqrt{s} = 13$ TeV at CDF. Physical Review D, 2009, 79, .	4.7	53
27	Measurements of the $pp \rightarrow Z Z$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and measurements of the Angular Distributions of Muons from $Z \rightarrow \mu\mu$. European Physical Journal C, 2018, 78, 165.	3.9	52
28	Decays in pp collisions. Journal of High Energy Physics, 2018, 2018, 1.	7.8	46
29	Search for the Exotic Meson $X(5568)$. Physical Review Letters, 2018, 120, 202006.	4.7	46
30	Measurement of the $t\bar{t} \rightarrow Z$ production cross section in the $e\bar{\nu}_e$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	41
31	Search for the Exotic Meson $X(5568)$. Physical Review Letters, 2018, 120, 202006.	4.7	40
32	Model-independent and quasi-model-independent search for new physics at CDF. Physical Review D, 2008, 78, .	4.7	40
33	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 378.	3.9	40
34	Precision Top-Quark Mass Measurement at CDF. Physical Review Letters, 2012, 109, 152003.	7.8	39
35	Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 965.	3.9	39
36	Evidence for the Charmless Annihilation Decay Mode $B \rightarrow s\gamma$. Physical Review Letters, 2012, 108, 211803.	7.8	38

#	ARTICLE	IF	CITATIONS
37	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.	3.9	38
38	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying l, ν leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
39	Measurement of the Cross Section for Prompt Isolated Diphoton Production Using the Full CDF Run II Data Sample. Physical Review Letters, 2013, 110, 101801.	7.8	36
40	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 488.	3.9	35
41	Measurements of Direct $C\bar{C}P$ -Violating Asymmetries in Charmless Decays of Bottom Baryons. Physical Review Letters, 2014, 113, 242001.	7.8	34
42	Search for Resonant Top-Antitop Production in the Lepton Plus Jets Decay Mode Using the Full CDF Data Set. Physical Review Letters, 2013, 110, 121802.	7.8	33
43	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 13.	3.9	33
44	Search for top squark pair production using dilepton final states in collision data collected at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 3.	3.9	33
45	Measurement of Polarization and Search for CP Violation in $B_s^0 \rightarrow \tau^+ \tau^-$ Decays. Physical Review Letters, 2011, 107, 261802.	7.8	32
46	Measurement of the leptonic asymmetry in $t\bar{t}$ events produced in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 13.	4.7	32
47	Searches for pair production of third-generation squarks in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 327.	3.9	32
48	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.	4.7	31
49	Observation of Exclusive $\tilde{\chi}_1^0 \tilde{\chi}_1^0$ Production in pp Collisions at $\sqrt{s} = 13.6$ TeV. Physical Review Letters, 2012, 108, 081801.	7.8	30
50	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.	4.7	29
51	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, 2021, 81, 13.	3.9	29
52	Measurement of the WZ cross section and triple gauge couplings in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 13.	4.7	28
53	Search for Higgs bosons produced in association with $b\bar{b}$ quarks. Physical Review D, 2012, 85, .	4.7	28
54	Study of the energy dependence of the underlying event in proton-antiproton collisions. Physical Review D, 2015, 92, .	4.7	28

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55	Search for $\overline{\text{t}}\text{H}$ production in the $\text{H} \rightarrow \overline{\text{b}}\text{b}$ decay channel with leptonic $\overline{\text{t}}\text{H}$ decays in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
56	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
57	Search for the Standard Model Higgs Boson Decaying to $\overline{\text{e}}\text{e}$ Pair in Events with One Charged Lepton and Large Missing Transverse Energy Using the Full CDF Data Set. Physical Review Letters, 2012, 109, 111804.	7.8	27
58	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.	3.9	27
59	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	1.2	27
60	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	27
61	Observation of $\overline{\text{t}}\text{H}$ production in $\text{H} \rightarrow \overline{\text{b}}\text{b}$ decays using the CDF II Detector. Physical Review Letters, 2013, 111, 031802.	7.8	26
62	Search for Pair Production of Strongly Interacting Particles Decaying to Pairs of Jets in $\text{pp} \rightarrow \overline{\text{t}}\text{t}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2013, 111, 031802.	7.8	26
63	Measurement of the Differential Cross Section $\text{pp} \rightarrow \overline{\text{t}}\text{t}$ in $\text{pp} \rightarrow \overline{\text{t}}\text{t}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2013, 111, 031802.	7.8	26
64	Search for the Standard Model Higgs Boson Decaying to $\overline{\text{e}}\text{e}$ Pair in Events with Two Oppositely Charged Leptons Using the Full CDF Data Set. Physical Review Letters, 2012, 109, 111803.	7.8	25
65	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.	4.7	25
66	Search for New Physics in High $\text{pp} \rightarrow \overline{\text{t}}\text{t}$ Like-Sign Dilepton Events at CDF II. Physical Review Letters, 2011, 107, 181801.	7.8	24
67	Observation of the Production of a W Boson in Association with a Single Charm Quark. Physical Review Letters, 2013, 110, 071801.	7.8	24
68	Mass and lifetime measurements of bottom and charm baryons in $\text{pp} \rightarrow \overline{\text{t}}\text{t}$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 200.	4.7	24
69	Measurements of $\text{pp} \rightarrow \overline{\text{t}}\text{t}$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 200.	3.9	24
70	Search for New Physics in High $\text{pp} \rightarrow \overline{\text{t}}\text{t}$ Like-Sign Dilepton Events at CDF II. Physical Review Letters, 2011, 107, 181801.	7.8	22
71	Measurement of the masses and widths of the bottom baryons Λ_b^0 and Λ_b^+ . Physical Review D, 2012, 85, .	4.7	22
72	Measurement of the Cross Section for Direct-Photon Production in Association with a Heavy Quark in $\text{pp} \rightarrow \overline{\text{t}}\text{t}$ Collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 200.	7.8	22

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73	Measurement of differential production cross sections for $Z \rightarrow \tau^+ \tau^-$ in association with jets in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
74	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
75	Measurement of $Z \rightarrow \tau^+ \tau^-$ Production in Leptonic Final States at $\sqrt{s} = 1.96$ TeV at CDF. Physical Review Letters, 2012, 108, 101801.	7.8	21
76	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10.	2.9	21
77	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	4.7	21
78	Search for $\overline{t}tH$ production in the all-jet final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
79	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
80	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	20
81	Search for a Dark Matter Candidate Produced in Association with a Single Top Quark in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 108, 201802.	7.8	19
82	Search for $B_s \rightarrow 0 \tau^+ \tau^-$ decays in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2013, 87, 012001.	4.7	19
83	Measurement of $B_s \rightarrow 2 \tau^+ \tau^-$ decays in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2014, 89, 012001.	4.7	19
84	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
85	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 723.	3.9	19
86	Diffractive dijet production in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
87	Measurement of $B_s \rightarrow D_s^* + D_s^*$ Branching Ratios. Physical Review Letters, 2012, 108, 201801.	7.8	18
88	Exclusion of exotic top-like quarks with electric charge using jet-charge tagging in single-lepton $t \rightarrow b \tau^+ \tau^-$ events at CDF. Physical Review Letters, 2014, 112, 111803.	4.7	18
89	First Search for Exotic ZBoson Decays into Photons and Neutral Pions in Hadron Collisions. Physical Review Letters, 2014, 112, 111803.	7.8	18
90	Precise measurement of the W -boson mass with the Collider Detector at Fermilab. Physical Review D, 2014, 89, .	4.7	18

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91	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
92	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} TeV. European Physical Journal C, 2021, 81, 629.	3.9	18
93	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} TeV. European Physical Journal C, 2021, 81, 970.	3.9	18
94	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} TeV. European Physical Journal C, 2022, 82, 290.	3.9	18
95	Search for resonant production of $\tilde{\chi}_1^0 \tilde{\chi}_1^0$ pairs in $pp \rightarrow \tilde{\chi}_1^0 \tilde{\chi}_1^0 + \text{lepton pairs}$ in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	17
96	Measurement of the top quark mass in the all-hadronic mode at CDF. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 24-31.	4.1	17
97	Search for $Z\tilde{1}^3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
98	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} TeV. European Physical Journal C, 2018, 78, 697.	3.9	17
99	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	17
100	Measurements of branching fraction ratios and CP-asymmetries in suppressed $B \rightarrow \bar{D}(\bar{K}^* K + \bar{K}^* \bar{K})$ and $B \rightarrow \bar{D}(\bar{K}^* K + \bar{K}^* \bar{K})$ decays. Physical Review D, 2011, 84, .	4.7	16
101	Search for heavy metastable particles decaying to jet pairs in $pp \rightarrow \tilde{\chi}_1^0 \tilde{\chi}_1^0$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2012, 85, .	4.7	15
102	Search for the Standard Model Higgs Boson Produced in Association with Top Quarks Using the Full CDF Data Set. Physical Review Letters, 2012, 109, 181802.	7.8	15
103	Measurement of W -boson polarization in top-quark decay using the full CDF Run II data set. Physical Review D, 2013, 87, .	4.7	15
104	Measurement of the $t \bar{t} \rightarrow \text{lepton} + \text{jet} + \text{jet}$ 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.	4.7	15
105	Search for a Heavy Particle Decaying to a Top Quark and a Light Quark in $pp \rightarrow \tilde{\chi}_1^0$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 108, 211805.	7.8	14
106	Measurement of indirect CP-violating asymmetries in $D \rightarrow \bar{K}^* K + \bar{K}^* \bar{K}$ and $D \rightarrow \bar{K}^* \bar{K} + \bar{K}^* \bar{K}$ decays at CDF. Physical Review D, 2014, 90, .	4.7	14
107	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14
108	Measurements of the $pp \rightarrow \tilde{W} Z$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14

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109	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV collisions. European Physical Journal C, 2020, 80, 534.	3.9	14
110	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
111	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 153.	3.9	14
112	Search for a Low-Mass Standard Model Higgs Boson in the $\tau\tau$ Decay Channel in $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 108, 181804.	7.8	13
113	Measurement of CP-violation asymmetries in $D^0 \rightarrow K^0 \pi^+ \pi^-$. Physical Review D, 2012, 86, .	4.7	13
114	Search for high-mass resonances decaying into ZZ in $\sqrt{s} = 1.96$ TeV. Physical Review D, 2012, 85, .	4.7	13
115	Top-quark mass measurement in events with jets and missing transverse energy using the full CDF data set. Physical Review D, 2013, 88, .	4.7	13
116	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.	4.7	13
117	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
118	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	13
119	Measurements of the Top-Quark Mass and the Cross Section in the Hadronic $\tau\tau$ Decay Channel at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	7.8	12
120	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
121	Search for dark matter produced in association with a Higgs boson decaying to $\tau\tau$ or $\tau\nu$ at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
122	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
123	Development and validation of HERWIG7 tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	3.9	12
124	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	12
125	Measurement of the top-quark pair-production cross section in events with two leptons and bottom-quark jets using the full CDF data set. Physical Review D, 2013, 88, .	4.7	11
126	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11

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127	Measurement of the Single Top Quark Production Cross Section and $ V_{tb} $ in Events with One Charged Lepton, Large Missing Transverse Energy, and Jets at CDF. <i>Physical Review Letters</i> , 2014, 113, 261804.	7.8	10
128	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u\bar{u}q\bar{q}$ final state. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	10
129	Search for standard model Higgs boson production in association with a W boson using a matrix element technique at CDF in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012, 85, .	4.7	9
130	Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 688.	3.9	9
131	Measurement of the top-quark mass in the lepton+jets channel using a matrix element technique with the CDF II detector. <i>Physical Review D</i> , 2011, 84, .	4.7	8
132	Search for the standard model Higgs boson produced in association with a W boson with 7.5 fb $^{-1}$ integrated luminosity at CDF. <i>Physical Review D</i> , 2012, 86, .	4.7	8
133	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2q$ final states at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	8
134	Top-Quark Mass Measurement Using Events with Missing Transverse Energy and Jets at CDF. <i>Physical Review Letters</i> , 2011, 107, 232002.	7.8	7
135	Search for a Higgs Boson in the Diphoton Final State in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012, 108, 011801.	7.8	7
136	Novel inclusive search for the Higgs boson in the four-lepton final state at CDF. <i>Physical Review D</i> , 2012, 86, .	4.7	7
137	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	7
138	Measurement of the branching fraction $B(\bar{b} \rightarrow \bar{c} + \bar{\nu}_c + \nu_e)$ at CDF. <i>Physical Review D</i> , 2012, 85, .	4.7	6
139	Searches for the Higgs boson decaying to $W+W$ with the CDF II detector. <i>Physical Review D</i> , 2013, 88, .	4.7	6
140	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. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	6
141	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	6
142	Search for the rare radiative decay $W \rightarrow \tau^+ \tau^- \gamma$ at CDF. <i>Physical Review D</i> , 2012, 85, .	4.7	5
143	Search for a two-Higgs-Boson Doublet Using a Simplified Model in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012, 85, .	4.7	5
144	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u\bar{u}q\bar{q}$ final state. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	7.8	5

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145	Measurement of the production and differential cross sections of $W+W\tilde{\nu}$ bosons in association with jets in $pp\tilde{\nu}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2015, 91, .	4.7	5
146	Search for Resonances Decaying to Top and Bottom Quarks with the CDF Experiment. Physical Review Letters, 2015, 115, 061801.	7.8	5
147	Search for the pair production of light top squarks in the $e^+e^- \rightarrow t\bar{t}$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
148	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8$, $\sqrt{s} = 13$ TeV with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	3.9	5
149	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
150	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	4.7	5
151	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
152	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
153	Search for new phenomena in events with two Z bosons and missing transverse momentum in $pp\tilde{\nu}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2012, 85, .	4.7	4
154	Signature-based search for delayed photons in exclusive photon plus missing transverse energy events from $pp\tilde{\nu}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2013, 88, .	4.7	4
155	Search for the production of WZ boson pairs decaying into charged leptons and jets in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2013, 88, .	4.7	4
156	First measurement of the forward-backward asymmetry in bottom-quark pair production at high mass. Physical Review D, 2015, 92, .	4.7	4
157	Measurement of the WW and WZ production cross section using final states with a charged lepton and heavy-flavor jets in the full CDF Run II data set. Physical Review D, 2016, 94, .	4.7	4
158	Data preservation at the Fermilab Tevatron. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 851, 1-4.	1.6	4
159	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.7	4
160	Production of $b\bar{b}0, \tilde{b}\tilde{b}^*, \tilde{b}\tilde{b}^{\pm}, \tilde{b}\tilde{b}^{\pm}$ hyperons in $pp\tilde{\nu}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2012, 86, 4.7		3
161	Search for standard model Higgs boson production in association with a W boson at CDF. Physical Review D, 2012, 85, .	4.7	3
162	Comparison of ϵ and ϕ Algorithms for Multiphoton Emission in the Context of W Boson Mass Measurement. Advances in High Energy Physics, 2016, 2016, 1-9.	1.1	3

#	ARTICLE	IF	CITATIONS
163	Measurements of the $(p) \rightarrow Z$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext } \{TeV\}$. , 2018, 78, 1.		3
164	Search for a heavy vector boson decaying to two gluons in $pp \rightarrow \hat{A}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review D, 2012, 86, .	4.7	2
165	standard model Higgs boson produced in association with a Z boson in $pp \rightarrow \hat{A} + Z$ collisions. Physical Review D, 2012, 86, .	4.1	2
166	Search for a dijet resonance in events with jets and missing transverse energy in $pp \rightarrow \hat{A} + 2j$ collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
167	Measurements of angular distance and momentum ratio distributions in three-jet and $\{Z\}$ + two-jet final states in $\{p\}\{p\}$ collisions. European Physical Journal C, 2021, 81, 852.	3.9	2
168	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
169	Measurement of the inclusive $t\bar{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02 \text{ TeV}$. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
170	Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2022, 2022, .	4.7	2
171	Studies of high-transverse momentum jet substructure and top quarks produced in 1.96 TeV proton-antiproton collisions. Physical Review D, 2015, 91, .	4.7	1
172	Measurement of the inclusive-isolated prompt-photon cross section in $pp \rightarrow \hat{A} + \gamma$ collisions using the full CDF data set. Physical Review D, 2017, 96, .	4.7	1
173	Measurement of the D^+ -meson production cross section at low transverse momentum in $pp \rightarrow \hat{A}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review D, 2017, 95, .	4.7	1
174	Search for standard-model Z and Higgs bosons decaying into a bottom-antibottom quark pair in proton-antiproton collisions at 1.96 TeV . Physical Review D, 2018, 98, .	4.7	1
175	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2022, 2022, 1.	4.7	1
176	Observation of $B^0 \rightarrow \text{Supersymmetry}(2S)K^0_{\text{uppi}} + \text{uppi}^+$ and $B^0_{\text{uppi}} \rightarrow \text{Supersymmetry}(2S)K^0_{\text{uppi}}$ decays. European Physical Journal C, 2022, 82, .	3.9	1
177	Publisher's Note: Novel inclusive search for the Higgs boson in the four-lepton final state at CDF [Phys. Rev. D 86 (2012) 072012 (2012)]. Physical Review D, 2012, 86, .	4.7	0
178	Measurement of the differential cross sections for W -boson production in association with jets in $pp \rightarrow W + 2j$ collisions. Physical Review D, 2012, 86, .	4.7	0