

# Bodhitha Anjalike Jayatilaka

## List of Publications by Year in descending order

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178  
papers

5,204  
citations

94433

37  
h-index

118850

62  
g-index

184  
all docs

184  
docs citations

184  
times ranked

7111  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
2	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
3	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ , ext {TeV} ext {V}. European Physical Journal C, 2022, 82, 153.	3.9	14
4	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	1
5	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ , ext {TeV}. European Physical Journal C, 2022, 82, 290.	3.9	18
6	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	13
7	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	4.7	5
8	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	12
9	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
10	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
11	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
12	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
13	Measurement of the inclusive $\overline{\text{t}}\text{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
14	Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.7	2
15	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.7	4
16	Observation of $B^0 \rightarrow \psi(2S) K^0_{\text{S}} \mu^+ \mu^-$ and $B^0_{\text{S}} \rightarrow \psi(2S) K^0_{\text{S}} \mu^+ \mu^-$ decays. European Physical Journal C, 2022, 82, .	3.9	1
17	Search for dark matter produced in association with a leptonically decaying $Z$ boson in proton-proton collisions at $\sqrt{s} = 13$ , ext {TeV} ext {V}. European Physical Journal C, 2021, 81, 13.	3.9	33
18	Search for top squark pair production using dilepton final states in $\text{pp} \rightarrow \text{pp}$ collision data collected at $\sqrt{s} = 13$ , ext {TeV}. European Physical Journal C, 2021, 81, 3.	3.9	33

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19	Measurements of $\sigma(\text{pp} \rightarrow \text{ZZ})$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 200.	3.9	24
20	Development and validation of HERWIG tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	3.9	12
21	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 378.	3.9	40
22	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 488.	3.9	35
23	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2021, 2021, 1.	4.7	27
24	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 629.	3.9	18
25	Search for a heavy vector resonance decaying to a $\text{ZZ}$ boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 688.	3.9	9
26	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 723.	3.9	19
27	Measurements of angular distance and momentum ratio distributions in three-jet and $\text{ZZ} + \text{two-jet}$ final states in $\text{pp}$ collisions. European Physical Journal C, 2021, 81, 852.	3.9	2
28	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	3.9	123
29	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 970.	3.9	18
30	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
31	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of Instrumentation, 2020, 15, P02027-P02027.	1.2	27
32	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of Instrumentation, 2020, 15, P10017-P10017.	1.2	84
33	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
34	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	4.7	20
35	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in $\text{PbPb}$ collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2020, 80, 534.	3.9	14
36	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2020, 80, 75.	3.9	78

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37	Searches for physics beyond the standard model with the $M_{\mathrm{T2}}$ variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s}=13$ , $\sqrt{s}=13$ , $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 3.	3.9	70
38	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
39	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
40	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
41	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
42	Search for the pair production of light top squarks in the $e^{\pm}l^{\pm}\tilde{\chi}^0$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
43	Measurements of the $pp \rightarrow WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
44	Measurement of the $\overline{t}t \rightarrow t\bar{t}\tilde{\chi}^0$ 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
45	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s}=13$ , $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 280.	3.9	29
46	Search for $\overline{t}t \rightarrow t\bar{t}H$ production in the $H \rightarrow b\bar{b}$ decay channel with leptonic $\overline{t}t$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
47	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
48	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
49	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
50	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
51	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. European Physical Journal C, 2018, 78, 165.	3.9	52
52	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
53	Search for $\overline{t}t \rightarrow t\bar{t}H$ 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
54	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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55	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
56	Measurement of the differential cross sections for $W$ -boson production in association with jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	0
57	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
58	Search for $Z\bar{\nu}\nu$ 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
59	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
60	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
61	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
62	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. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
63	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.	3.9	17
64	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
65	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
66	Search for dark matter produced in association with a Higgs boson decaying to $\bar{\nu}\nu$ or $\bar{l}l$ , $\bar{\nu}\nu$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
67	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u\bar{u}q\bar{q}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10
68	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $\bar{l}l$ , leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
69	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
70	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
71	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62
72	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

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73	Search for the Exotic Meson $X$ production cross section and the $\text{B} \rightarrow \text{D}^* \ell \bar{\nu}_\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$ . , 2018, 78, 1.	7.37	103
74	Measurements of the $(\text{pp}) \rightarrow \text{Z} \text{Z}$ production cross section and the $(\text{Z} \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s} = 13, \text{ext } \{ \text{TeV} \})$ . , 2018, 78, 1.		3
75	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $s = 8 \text{ TeV}$ and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	54
76	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
77	Charged-particle nuclear modification factors in PbPb and pPb collisions at $s_{NN} = 5.02 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	103
78	Searches for pair production of third-generation squarks in $\sqrt{s} = 13 \text{ TeV}$ pp collisions. European Physical Journal C, 2017, 77, 327.	3.9	32
79	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $s = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
80	Measurement of the inclusive-isolated prompt-photon cross section in $pp$ collisions using the full CDF data set. Physical Review D, 2017, 96, .	4.7	1
81	Search for top squark pair production in pp collisions at $s = 13 \text{ TeV}$ using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
82	Measurement of the $t \bar{t} \rightarrow \text{Z} \text{Z}$ production cross section using events with one lepton and at least one jet in pp collisions at $s = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
83	Measurement of the $D^+$ -meson production cross section at low transverse momentum in $pp \rightarrow D^+$ collisions at $s = 1.96 \text{ TeV}$ . Physical Review D, 2017, 95, .	4.7	1
84	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $s = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	29
85	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2017, 77, 636.	3.9	38
86	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	101
87	Comparison of $\Delta$ and $\Delta$ algorithms for Multiphoton Emission in the Context of $\text{Boson Mass Measurement}$ . Advances in High Energy Physics, 2016, 2016, 1-9.	1.1	3
88	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$ . European Physical Journal C, 2016, 76, 451.	3.9	55
89	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $s = 8 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	4.7	7
90	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$ . European Physical Journal C, 2016, 76, 439.	3.9	64

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91	Measurement of the $W$ and $WZ$ production cross section using final states with a charged lepton and heavy-flavor jets in the full CDF Run II data set. <i>Physical Review D</i> , 2016, 94, .	4.7	4
92	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $s = 7 \sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	19
93	Measurement of the $t \bar{t} \tilde{A}^-$ production cross section in the $e\bar{\nu}_\tau$ channel in proton-proton collisions at $s = 7 \sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	41
94	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016, 76, 155.	3.9	499
95	Study of the energy dependence of the underlying event in proton-antiproton collisions. <i>Physical Review D</i> , 2015, 92, .	4.7	28
96	Measurement of the production and differential cross sections of $W+W\tilde{A}^+$ bosons in association with jets in pp collisions at $s = 1.96 \sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2015, 91, .	4.7	5
97	Search for Resonances Decaying to Top and Bottom Quarks with the CDF Experiment. <i>Physical Review Letters</i> , 2015, 115, 061801.	7.8	5
98	First measurement of the forward-backward asymmetry in bottom-quark pair production at high mass. <i>Physical Review D</i> , 2015, 92, .	4.7	4
99	Studies of high-transverse momentum jet substructure and top quarks produced in 1.96 TeV proton-antiproton collisions. <i>Physical Review D</i> , 2015, 91, .	4.7	1
100	Measurement of differential production cross sections for $Z$ in association with jets in $p\bar{p}$ collisions at $s = 1.96 \sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2015, 91, .	4.7	20
101	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
102	Measurement of indirect CP-violating asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays at CDF. <i>Physical Review D</i> , 2014, 90, .	4.7	14
103	Mass and lifetime measurements of bottom and charm baryons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2014, 113, 242001.	4.7	24
104	First Search for Exotic Z Boson Decays into Photons and Neutral Pions in Hadron Collisions. <i>Physical Review Letters</i> , 2014, 112, 111803.	7.8	18
105	Precise measurement of the $W$ -boson mass with the Collider Detector at Fermilab. <i>Physical Review D</i> , 2014, 89, .	4.7	18
106	Measurements of Direct CP-Violating Asymmetries in Charmless Decays of Bottom Baryons. <i>Physical Review Letters</i> , 2014, 113, 242001.	7.8	34
107	Indirect measurement of $\sin 2\beta$ in $B^0 \rightarrow \pi^+ \pi^-$ decays using $W$ -boson polarization in top-quark decay using the full CDF Run II data set. <i>Physical Review D</i> , 2014, 89, .	4.7	19
108	Measurement of $W$ -boson polarization in top-quark decay using the full CDF Run II data set. <i>Physical Review D</i> , 2013, 87, .	4.7	15

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109	Searches for the Higgs boson decaying to $W+W\tilde{A}^+\tilde{A}^-$ , $W\tilde{A}^+\tilde{A}^-$ , $W\tilde{A}^+\tilde{A}^-$ with the CDF II detector. Physical Review D, 2013, 88, .	4.7	6
110	Observation of $D^0 \rightarrow D^+ \pi^-$ Mixing Using the CDF II Detector. Physical Review Letters, 2013, 111, 231802.	7.8	26
111	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
112	Search for a dijet resonance in events with jets and missing transverse energy in $pp \rightarrow \text{collisions}$ at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2013, 88, .	4.7	2
113	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
114	Production of $K_S^0 K_L^0$ in $pp \rightarrow \text{Collisions}$ at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2013, 88, .	4.7	5
115	Signature-based search for delayed photons in exclusive photon plus missing transverse energy events from $pp \rightarrow \text{Collisions}$ with $\sqrt{s} = 1.96$ TeV. Physical Review D, 2013, 88, .	4.7	4
116	Measurement of the Cross Section for Direct-Photon Production in Association with a Heavy Quark in $pp \rightarrow \text{Collisions}$ at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2013, 111, 031802.	7.8	22
117	Search for Pair Production of Strongly Interacting Particles Decaying to Pairs of Jets in $pp \rightarrow \text{Collisions}$ at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2013, 111, 031802.	7.8	26
118	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
119	Measurement of the Differential Cross Section $d\sigma/d\cos\theta_{\tilde{A}^+\tilde{A}^-}$ in $pp \rightarrow \text{Collisions}$ at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2013, 110, 071801.	7.8	26
120	Search for $B \rightarrow s \gamma$ in $pp \rightarrow \text{Collisions}$ at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2013, 110, 071801.	4.7	19
121	Measurement of the top quark forward-backward production asymmetry and its dependence on event kinematic properties. Physical Review D, 2013, 87, .	4.7	32
122	Measurement of the top quark forward-backward production asymmetry and its dependence on event kinematic properties. Physical Review D, 2013, 87, .	4.7	122
123	Observation of the Production of a $W$ Boson in Association with a Single Charm Quark. Physical Review Letters, 2013, 110, 071801.	4.7	18
124	Observation of the Production of a $Z$ Boson in Association with a Single Charm Quark. Physical Review Letters, 2013, 110, 071801.	7.8	24
125	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.	4.7	4
126	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



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127	Search for a Top Higgs-Boson Doublet Using a Simplified Model in $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 108, 011801.	7.8	5
128	Measurements of the Angular Distributions of Muons from $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 108, 011801.	7.8	46
129	Search for a Higgs Boson in the Diphoton Final State in $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 108, 011801.	7.8	7
130	Transverse momentum cross section of $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ pairs in the $Z$ -boson region from $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 108, 011801.	4.7	46
131	Observation of Exclusive $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ Production in $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 108, 081801.	7.8	30
132	Search for the Standard Model Higgs Boson Decaying to $bb \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ Pair in Events with Two Oppositely Charged Leptons Using the Full CDF Data Set. Physical Review Letters, 2012, 109, 111803.	7.8	25
133	Measurement of $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ Production in Leptonic Final States at $\sqrt{s} = 1.96$ TeV at CDF. Physical Review Letters, 2012, 108, 101801.	7.8	21
134	Search for a heavy vector boson decaying to two gluons in $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2012, 86, .	4.7	2
135	Production of $0, 1, 2, 3, 4$ hyperons in $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2012, 86, .		3
136	Search for a Low-Mass Standard Model Higgs Boson in the $bb \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ Decay Channel in $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 108, 181804.	7.8	13
137	Diffractive dijet production in $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 108, 181804.	4.7	18
138	Precision Top-Quark Mass Measurement at CDF. Physical Review Letters, 2012, 109, 152003.	7.8	39
139	Publisher's Note: Novel inclusive search for the Higgs boson in the four-lepton final state at CDF [Phys. Rev. D <b>86</b> (2012), 072012 (2012)]. Physical Review D, 2012, 86, .	4.7	0
140	Measurements of the Top-Quark Mass and the $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ Cross Section in the Hadronic $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 108, 181804.	7.8	12
141	Search for a heavy vector boson decaying to two gluons in $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2012, 86, .	4.7	5
142	Search for Dark Matter in Events with One Jet and Missing Transverse Energy in $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 108, 211804.	7.8	73
143	Search for standard model Higgs boson production in association with a $W$ -boson using a matrix element technique at CDF in $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2012, 85, .	4.7	9
144	Search for heavy metastable particles decaying to jet pairs in $pp \rightarrow \gamma \gamma + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2012, 85, .	4.7	15

#	ARTICLE	IF	CITATIONS
145	Search for a Heavy Particle Decaying to a Top Quark and a Light Quark in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2012, 108, 211805.	7.8	14
146	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
147	Measurement of the Bottom-Strange Meson Mixing Phase in the Full CDF Data Set. Physical Review Letters, 2012, 109, 171802.	7.8	62
148	Novel inclusive search for the Higgs boson in the four-lepton final state at CDF. Physical Review D, 2012, 86, .	4.7	7
149	Measurements of the Angular Distributions in the Decays $B \rightarrow K^* \ell^+ \ell^-$ at CDF. Physical Review Letters, 2012, 108, 081807.	7.8	108
150	Search for the standard model Higgs boson produced in association with a $W$ boson with $7.5$ fb $^{-1}$ integrated luminosity at CDF. Physical Review D, 2012, 86, .	4.7	8
151	Search for the Standard Model Higgs Boson Decaying to $bb$ 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
152	Search for a Dark Matter Candidate Produced in Association with a Single Top Quark in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2012, 108, 201802.	7.8	19
153	Measurement of the cross section and triple gauge couplings in $p\bar{p} \rightarrow W^+ Z \nu_e$ collisions at CDF. Physical Review Letters, 2012, 108, 201801.	4.7	28
154	Measurement of $B_s^0 \rightarrow D_s^{(*)} + D_s^{(*)}$ Branching Ratios. Physical Review Letters, 2012, 108, 201801.	7.8	18
155	Measurement of CP-violation asymmetries in $D^0 \rightarrow K^0 \ell^+ \ell^-$ . Physical Review D, 2012, 86, .	4.7	13
156	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
157	Evidence for the Charmless Annihilation Decay Mode $B \rightarrow s \ell^+ \ell^-$ at CDF. Physical Review Letters, 2012, 108, 211803.	7.8	38
158	Measurement of the branching fraction $B(\bar{b} \rightarrow \bar{c} + \ell^+ \ell^-)$ at CDF. Physical Review D, 2012, 85, .	4.7	6
159	Search for standard model Higgs boson production in association with a $W$ boson at CDF. Physical Review D, 2012, 85, .	4.7	3
160	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
161	Search for new phenomena in events with two $Z$ bosons and missing transverse momentum in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2012, 85, .	4.7	4
162	Search for Higgs bosons produced in association with $b$ quarks. Physical Review D, 2012, 85, .	4.7	28

#	ARTICLE	IF	CITATIONS
163	Measurement of the masses and widths of the bottom baryons $\Lambda_b^{\pm}$ and $\Sigma_b^{\pm}$ . Physical Review D, 2012, 85, .	4.7	22
164	Search for high-mass resonances decaying into ZZ in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2012, 85, .	4.7	13
165	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
166	Search for the standard model Higgs boson produced in association with a Z boson in $pp \rightarrow ZH$ collisions. Physical Review Letters, 2012, 108, 151803.	4.1	2
167	Precise Measurement of the $W$ -Boson Mass with the CDF II Detector. Physical Review Letters, 2012, 108, 151803.	7.8	106
168	Search for resonant production of $B_c$ mesons in $pp$ collisions. Physical Review Letters, 2011, 107, 191801.	7.8	74
169	Measurement of the top-quark mass in the lepton+jets channel using a matrix element technique with the CDF II detector. Physical Review D, 2011, 84, .	4.7	8
170	Search for resonant production of $B_c$ mesons in $pp$ collisions. Physical Review Letters, 2011, 107, 191801.	4.7	17
171	Search for resonant production of $B_c$ mesons in $pp$ collisions. Physical Review Letters, 2011, 107, 191801.	7.8	24
172	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
173	Observation of the Baryonic Flavor-Changing Neutral Current Decay $\Lambda_b^0 \rightarrow \tau^+ \tau^- p$ . Physical Review Letters, 2011, 107, 201802.	7.8	121
174	Measurements of branching fraction ratios and CP-asymmetries in suppressed $B^0 \rightarrow \tau^+ \tau^- D(\tau^+ K + \bar{1} \bar{K})$ and $B^0 \rightarrow \tau^+ \tau^- D(\tau^+ K + \bar{1} \bar{K})$ decays. Physical Review D, 2011, 84, .	4.7	16
175	Top-Quark Mass Measurement Using Events with Missing Transverse Energy and Jets at CDF. Physical Review Letters, 2011, 107, 232002.	7.8	7
176	Search for New Physics in High $p_T$ Like-Sign Dilepton Events at CDF II. Physical Review Letters, 2011, 107, 181801.	7.8	22
177	Global search for new physics with $2.0 < \Delta E < 3.0$ GeV at CDF. Physical Review D, 2009, 79, .	4.7	53
178	Model-independent and quasi-model-independent search for new physics at CDF. Physical Review D, 2008, 78, .	4.7	40