

Ulascan Sarica

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

160
papers

1,924
citations

21
h-index

37
g-index

171
ext. papers

2,839
ext. citations

5
avg, IF

1.38
L-index

#	Paper	IF	Citations
160	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4.2	250
159	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
158	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	77
157	Charged-particle nuclear modification factors in PbPb and pPb collisions at ($\sqrt{s_{\mathrm{N};\mathrm{N}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	64
156	Search for high-mass resonances in dilepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	63
155	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020 , 80, 4	4.2	61
154	Measurement of the inelastic proton-proton cross section at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	41
153	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	40
152	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	37
151	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 451	4.2	36
150	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. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	34
149	Search for new physics in same-sign dilepton events in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 439	4.2	34
148	Measurement of the ($\overline{\mathrm{t}}\mathrm{t}$) production cross section in the $e\bar{\nu}$ channel in proton-proton collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	30
147	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2018 , 78, 165	4.2	29
146	Measurement of the production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. <i>European Physical Journal C</i> , 2019 , 79, 368	4.2	27
145	Search for top squark pair production in pp collisions at ($\sqrt{s}=13$) TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
144	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 75	4.2	24

143	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P10017-P10017	1	23
142	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. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	23
141	Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	22
140	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	21
139	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	21
138	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	20
137	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at. <i>European Physical Journal C</i> , 2017 , 77, 636	4.2	20
136	Measurement of differential cross sections for boson production in association with jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 965	4.2	19
135	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18
134	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	18
133	Search for $(\overline{\text{t}}\text{H})$ production in the $(\text{H})\text{to } \overline{\text{b}}\text{b})$ decay channel with leptonic $(\overline{\text{t}}\text{t})$ decays in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	17
132	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13$. <i>European Physical Journal C</i> , 2018 , 78, 291	4.2	17
131	Searches for pair production of third-generation squarks in pp collisions. <i>European Physical Journal C</i> , 2017 , 77, 327	4.2	17
130	Searches for physics beyond the standard model with the variable in hadronic final states with and without disappearing tracks in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 3	4.2	16
129	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into τ leptons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
128	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	16
127	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	5.4	16
126	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. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15

125	Search for high-mass resonances in final states with a lepton and missing transverse momentum at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	15
124	Measurement of the ($\overline{\text{t}}\text{t}$) production cross section using events with one lepton and at least one jet in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	14
123	Evidence for Higgs boson decay to a pair of muons. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	14
122	New features in the JHU generator framework: Constraining Higgs boson properties from on-shell and off-shell production. <i>Physical Review D</i> , 2020 , 102,	4.9	13
121	Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	13
120	Search for ($\overline{\text{t}}\text{t}\text{H}$) production in the all-jet final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
119	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 280	4.2	12
118	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
117	Methods to determine neutrino flux at low energies. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	12
116	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
115	Measurements of differential Z boson production cross sections in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	11
114	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at \sqrt{s} = 13 TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P02027-P02027	1	11
113	Search for Z resonances using leptonic and hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
112	Measurements of the pp \rightarrow iWZ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
111	Search for new neutral Higgs bosons through the ($\text{H} \rightarrow \text{ZA} \rightarrow \{\text{ell}\}^{\{+\}\{-}\} \overline{\text{b}}\text{b}$) process in pp collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
110	A multi-dimensional search for new heavy resonances decaying to boosted $\tau\tau$ or boson pairs in the dijet final state at 13 TeV. <i>European Physical Journal C</i> , 2020 , 80, 237	4.2	10
109	Measurement of properties of ($\text{B}_s \rightarrow \text{B}_s^0 \gamma$) decays and search for $\text{B}_0 \rightarrow \text{B}_s^0 \gamma$ with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
108	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10

107	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. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	10
106	A search for the standard model Higgs boson decaying to charm quarks. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
105	Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9
104	Search for a light pseudoscalar Higgs boson in the boosted Υ final state in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
103	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	5.4	9
102	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 697	4.2	9
101	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at ($\sqrt{\text{mathrm}\{s\}}$) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
100	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. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
99	Search for electroweak production of a vector-like T quark using fully hadronic final states. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
98	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
97	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
96	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. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
95	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at ($\sqrt{\text{mathrm}\{s\}}$) = 13 TeV and constraints on anomalous quartic couplings. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
94	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at ($\sqrt{\text{mathrm}\{s\}}$) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
93	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
92	Search for dark matter produced in association with a leptonically decaying boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 13	4.2	7
91	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. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
90	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\ell q$ final states at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7

89	Search for dark matter produced in association with a Higgs boson decaying to $\tau\tau$ ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
88	Precision luminosity measurement in proton-proton collisions at in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , 2021 , 81, 800	4-2	7
87	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. <i>European Physical Journal C</i> , 2020 , 80, 534	4-2	6
86	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 43	4-2	6
85	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\tau\tau$ and $e\tau$ in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	6
84	Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	6
83	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	5-4	6
82	Measurement of the differential Drell-Yan cross section in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	6
81	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 893	4-2	6
80	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6
79	Search for a heavy resonance decaying into a Z boson and a vector boson in the ($\nu\bar{\nu}\gamma\gamma$) final state. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6
78	Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
77	Measurements of production cross sections and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2021 , 81, 200	4-2	5
76	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at. <i>European Physical Journal C</i> , 2021 , 81, 378	4-2	5
75	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 488	4-2	5
74	Search for resonant and nonresonant new phenomena in high-mass dilepton final states at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	5
73	Search for resonances decaying to a pair of Higgs bosons in the $b\bar{b}(\gamma\gamma)$ final state in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
72	Search for top squark pair production using dilepton final states in collision data collected at. <i>European Physical Journal C</i> , 2021 , 81, 3	4-2	5

71	Search for the pair production of light top squarks in the e^+e^- final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	4
70	Evidence for $(W)W$ production from double-parton interactions in proton-proton collisions at $(\sqrt{s} = 13, \text{TeV})$. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	4
69	Measurement of differential cross sections and charge ratios for γ -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 370	4-2	4
68	Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	4
67	Search for nonresonant Higgs boson pair production in final states with two bottom quarks and two photons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	4
66	Search for new physics in top quark production with additional leptons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV using effective field theory. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	4
65	MUSIC: a model-unspecific search for new physics in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 629	4-2	4
64	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 189	4-2	3
63	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	3
62	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 $(\sqrt{s} = 13, \text{TeV})$ 2018 , 78, 1		3
61	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 970	4-2	3
60	Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	3
59	Dependence of inclusive jet production on the anti-kT distance parameter in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	3
58	Investigation into the event-activity dependence of (nS) relative production in proton-proton collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	3
57	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. <i>Computing and Software for Big Science</i> , 2020 , 4, 10	6	3
56	Measurement of the inclusive and differential Higgs boson production cross sections in the leptonic WW decay mode at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	3
55	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	3
54	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 723	4-2	3

53	Search for decays of the 125 GeV Higgs boson into a Z boson and a τ meson. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	2
52	Determination of the strong coupling constant $\alpha_s(m_Z)$ from measurements of inclusive W and Z boson production cross sections in proton-proton collisions at $(\sqrt{s}) = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	2
51	Search for a heavy Higgs boson decaying into two lighter Higgs bosons in the $B\bar{b}$ final state at 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	2
50	Search for supersymmetry using Higgs boson to diphoton decays at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	2
49	The production of isolated photons in PbPb and pp collisions at $(\sqrt{s_{\text{NN}}}) = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	2
48	Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , 2020 , 80, 718	4-2	2
47	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 752	4-2	2
46	Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	2
45	Angular analysis of the decay $B^+ \rightarrow K^*(892)^+ \mu^+ \nu_\mu$ in proton-proton collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	2
44	First measurement of large area jet transverse momentum spectra in heavy-ion collisions. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	2
43	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	2
42	Search for supersymmetry in proton-proton collisions at $(\sqrt{s}) = 13$ TeV in events with high-momentum Z bosons and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	1
41	Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	1
40	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	1
39	Search for chargino-neutralino production in events with Higgs and W bosons using 137 fb $^{-1}$ of proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	1
38	Measurements of the $pp \rightarrow W\mu$ and $pp \rightarrow Z\mu$ cross sections at $(\sqrt{s}) = 13$ TeV and limits on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	1
37	Study of the $(B^+ \rightarrow J/\psi \overline{\Lambda} p)$ decay in proton-proton collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	1
36	Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	1

35	Measurement of the cross section for $(\overline{t}t)$ production with additional jets and b jets in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	1
34	Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	1
33	Development and validation of HERWIG tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021 , 81, 312	4-2	1
32	Search for the lepton flavor violating decay $\tau \rightarrow \mu \nu \nu$ in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	1
31	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. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	1
30	Search for a heavy resonance decaying to a top quark and a W boson at $\sqrt{s} = 13$ TeV in the fully hadronic final state. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	1
29	Measurement of double-parton scattering in inclusive production of four jets with low transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	0
28	Study of quark and gluon jet substructure in Z+jet and dijet events from pp collisions. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	0
27	Measurement of single-diffractive dijet production in proton-proton collisions at with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2020 , 80, 1164	4-2	0
26	Observation of tW production in the single-lepton channel in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	0
25	Measurement of b jet shapes in proton-proton collisions at $(\sqrt{s}) = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	0
24	Study of Drell-Yan dimuon production in proton-lead collisions at $(\sqrt{s_{\text{NN}}}) = 8.16$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	0
23	In-medium modification of dijets in PbPb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	0
22	Measurement of the top quark pair production cross section in dilepton final states containing one lepton in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	0
21	Search for a heavy vector resonance decaying to a χ boson and a Higgs boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 688	4-2	0
20	Measurements of angular distance and momentum ratio distributions in three-jet and + two-jet final states in collisions. <i>European Physical Journal C</i> , 2021 , 81, 852	4-2	0
19	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	5-4	0
18	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 153	4-2	0

17	Search for long-lived particles produced 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	5-4	○
16	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 290	4-2	○
15	Measurement of the inclusive and differential $t\bar{t}$ cross sections in the single-lepton channel and EFT interpretation at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	○
14	Measurement of the top quark mass using events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	○
13	Probing effective field theory operators in the associated production of top quarks with a Z boson in multilepton final states at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	○
12	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. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
11	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
10	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. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
9	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	5-4	○
8	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
7	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	○
6	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P05002-P05002	1	
5	Measurements of the differential cross sections of the production of Z + jets and $t\bar{t}$ jets and of Z boson emission collinear with a jet in pp collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	
4	Measurement of the Z boson differential production cross section using its invisible decay mode ($Z \rightarrow \nu\bar{\nu}$) in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	
3	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	
2	Measurement of prompt open-charm production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5-4	
1	Measurement of the inclusive $t\bar{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5-4	