Manuel Franco Sevilla

List of Publications by Year in Descending Order

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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.

234 papers	3,870 citations	27 h-index	49 g-index
245 ext. papers	5,070 ext. citations	5.3 avg, IF	1.77 L-index

#	Paper	IF	Citations
234	Semitauonic b -hadron decays: A lepton flavor universality laboratory. *Reviews of Modern Physics*, **2022**, 94,	40.5	4
233	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	5.4	12
232	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	20
231	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	8
230	Test of lepton universality with ({Lambda}_b^0to {pK}^{-}{mathrm{ell}}^{+}{mathrm{ell}}^{-}) decays. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	12
229	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. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	1
228	Search for new neutral Higgs bosons through the (mathrm{H}to mathrm{ZA}to {ell}^{+}{ell}^{-}mathrm{b}overline{mathrm{b}}) process in pp collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	10
227	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. *European Physical Journal C*, **2020**, 80, 189	4.2	3
226	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. *European Physical Journal C*, **2020**, 80, 534	4.2	6
225	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV and constraints on anomalous quartic couplings. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	7
224	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	3
223	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. *European Physical Journal C*, **2020**, 80, 43	4.2	6
222	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	1
221	Evidence for (text {W}text {W}) production from double-parton interactions in protonproton collisions at (sqrt{s} = 13 ,text {TeV}). *European Physical Journal C*, **2020**, 80, 1	4.2	4
220	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at. *European Physical Journal C*, **2020**, 80, 75	4.2	24
219	Searches for physics beyond the standard model with the variable in hadronic final states with and without disappearing tracks in proton-proton collisions at. *European Physical Journal C*, **2020**, 80, 3	4.2	16
218	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. *European Physical Journal C*, **2020**, 80, 4	4.2	61

217	Search for lepton flavour violating decays of a neutral heavy Higgs boson to □and e□in proton-proton collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	6
216	A search for the standard model Higgs boson decaying to charm quarks. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	9
215	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	11
214	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	7
213	A multi-dimensional search for new heavy resonances decaying to boosted , , or boson pairs in the dijet final state at 13□ *European Physical Journal C*, **2020**, 80, 237	4.2	10
212	Measurement of single-diffractive dijet production in proton-proton collisions at with the CMS and TOTEM experiments. *European Physical Journal C*, **2020**, 80, 1164	4.2	0
211	Measurement of differential cross sections and charge ratios for -channel single top quark production in proton-proton collisions at. *European Physical Journal C*, **2020**, 80, 370	4.2	4
210	Measurement of (hbox {t}{bar{hbox {t}}}) normalised multi-differential cross sections in ({text {p}}{text {p}}) collisions at (sqrt{s}=13,{text {TeV}}), and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. *European Physical Journal C*, **2020**, 80, 1	4.2	13
209	Observation of the semileptonic decay $$ {B}^{+}to poverline{p}{mu}^{+}{nu}_{mu } $$. *Journal of High Energy Physics*, **2020**, 2020,	5.4	1
208	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	16
207	Dependence of inclusive jet production on the anti-kT distance parameter in pp collisions at (sqrt{mathrm{s}}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	3
206	Bose-Einstein correlations of charged hadrons in proton-proton collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	2
205	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. *Computing and Software for Big Science*, **2020**, 4, 10	6	3
204	Search for electroweak production of a vector-like T quark using fully hadronic final states. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	8
203	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. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	5
202	Measurement of properties of ({mathrm{B}}_{mathrm{s}}^0)-i□□decays and search for B0-i□□ with the CMS experiment. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	10
201	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at □ = 13 TeV. *Journal of Instrumentation*, **2020**, 15, P02027-P02027	1	11
200	Measurement of the cross section for (mathrm{t}overline{mathrm{t}}) production with additional jets and b jets in pp collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	1

199	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. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	13
198	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	18
197	Calibration of the CMS hadron calorimeters using proton-proton collision data at = 13 TeV. *Journal of Instrumentation*, **2020**, 15, P05002-P05002	1	
196	Study of central exclusive production in proton-proton collisions at and 13TeV. *European Physical Journal C*, **2020**, 80, 718	4.2	2
195	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. *European Physical Journal C*, **2020**, 80, 752	4.2	2
194	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	8
193	Measurement of the top quark pair production cross section in dilepton final states containing one lepton in pp collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	0
192	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in collisions at. *European Physical Journal C*, **2019**, 79, 773	4.2	0
191	Search for charged Higgs bosons in the H -i decay channel in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	24
190	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. *European Physical Journal C*, **2019**, 79, 305	4.2	2
189	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	8
188	Search for a low-mass resonance in association with a bottom quark in proton-proton collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	4
187	Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at (sqrt{s}) = 13 TeV via Higgs boson decays to leptons. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	3
186	Search for the pair production of light top squarks in the e final state in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	4
185	Combined measurements of Higgs boson couplings in proton-proton collisions at. *European Physical Journal C*, **2019**, 79, 421	4.2	153
184	Search for supersymmetry in events with a photon, jets, -jets, and missing transverse momentum in proton-proton collisions at 13. *European Physical Journal C*, **2019**, 79, 444	4.2	1
183	Measurements of the pp -iWZ 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	5.4	10
182	Measurement of the 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	4.2	27

181	Measurement of the energy density as a function of pseudorapidity in proton–proton collisions at (sqrt{s} =13,text {TeV}). *European Physical Journal C*, **2019**, 79, 1	4.2	7
180	Search for nonresonant Higgs boson pair production in the (mathrm{b}overline{mathrm{b}}mathrm{b}overline{mathrm{b}}) final state at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	4
179	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at. *European Physical Journal C*, **2019**, 79, 280	4.2	12
178	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	8
177	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at. *European Physical Journal C*, **2019**, 79, 364	4.2	18
176	Search for single production of vector-like quarks decaying to a top quark and a boson in proton-proton collisions at. *European Physical Journal C*, **2019**, 79, 90	4.2	6
175	Study of the underlying event in top quark pair production in collisions at 13. *European Physical Journal C*, **2019**, 79, 123	4.2	4
174	Search for rare decays of and Higgs bosons to and a photon in proton-proton collisions at = 13. *European Physical Journal C*, **2019**, 79, 94	4.2	7
173	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	9
172	Measurements of (mathrm{t}overline{mathrm{t}}) differential cross sections in proton-proton collisions at (sqrt{mathrm{s}}=13) TeV using events containing two leptons. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	15
171	Search for (mathrm{t}overline{mathrm{t}}mathrm{H}) production in the (mathrm{H}to mathrm{b}overline{mathrm{b}}) decay channel with leptonic (mathrm{t}overline{mathrm{t}}) decays in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	17
170	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at (sqrt{s} = 13) TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	2
169	Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	8
168	Search for resonant (mathrm{t}overline{mathrm{t}}) production in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	13
167	Search for production of Higgs boson pairs in the four b quark final state using large-area jets in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	7
166	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	5.4	7
165	Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	14
164	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. *European Physical Journal C*, **2019**, 79, 20	4.2	4

163	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two leptons and two jets in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	18
162	Search for a W? boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	4
161	Search for top quark partners with charge 5/3 in the same-sign dilepton and single-lepton final states in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	9
160	Inclusive search for supersymmetry in pp collisions at (sqrt{s}=13) TeV using razor variables and boosted object identification in zero and one lepton final states. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	2
159	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	5.4	8
158	Search for excited leptons in final states in proton-proton collisions at (sqrt{mathrm{s}}=13) TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	2
157	Search for new particles decaying to a jet and an emerging jet. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	15
156	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at (sqrt{s} = 13,text {TeV}). *European Physical Journal C*, **2019**, 79, 1	4.2	6
155	Measurement of exclusive photoproduction in ultraperipheral pPb collisions at. *European Physical Journal C*, **2019**, 79, 702	4.2	13
154	Measurement of exclusive photoproduction from protons in Pb collisions at. *European Physical Journal C*, **2019**, 79, 277	4.2	19
153	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. *European Physical Journal C*, **2019**, 79, 564	4.2	20
152	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	5
151	Measurement of the top quark mass in the all-jets final state at and combination with the lepton+jets channel. *European Physical Journal C*, **2019**, 79, 313	4.2	13
150	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	7
149	Search for supersymmetry using Higgs boson to diphoton decays at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	2
148	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	5.4	11
147	Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	9
146	Study of the ({mathrm{B}}^{+}to mathrm{J}/uppsi overline{Lambda}mathrm{p}) decay in proton-proton collisions at (sqrt{s}) = 8 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	1

145	Search for resonances decaying to a pair of Higgs bosons in the b(overline{mathrm{b}})q(overline{mathrm{q}})Ґfinal state in proton-proton collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	5
144	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. *European Physical Journal C*, **2019**, 79, 969	4.2	1
143	Measurement of the differential Drell-Yan cross section in proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	6
142	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. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	2
141	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at. *European Physical Journal C*, **2019**, 79, 893	4.2	6
140	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	21
139	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. *European Physical Journal C*, **2019**, 79, 886	4.2	6
138	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at. *European Physical Journal C*, **2018**, 78, 242	4.2	4
137	Pseudorapidity distributions of charged hadrons in proton-lead collisions at (sqrt{s_{mathrm{NN}}}=5.02) and 8.16 TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	4
136	Search for resonant and nonresonant Higgs boson pair production in the (mathrm{b}overline{mathrm{b}}mathit{ell nu ell nu }) final state in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	19
135	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at = 13. *European Physical Journal C*, **2018**, 78, 291	4.2	17
134	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. *European Physical Journal C*, **2018**, 78, 165	4.2	29
133	Measurement of associated Z + charm production in proton-proton collisions at. *European Physical Journal C*, **2018**, 78, 287	4.2	11
132	Measurement of the inclusive (mathrm{t}overline{mathrm{t}}) cross section in pp collisions at (sqrt{s}=5.02) TeV using final states with at least one charged lepton. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	3
131	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at (sqrt{s}=8) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	
130	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	2
129	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	4
128	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	45

127	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	5.4	40
126	Measurement of differential cross sections in the kinematic angular variable ?* for inclusive Z boson production in pp collisions at (sqrt{s}=8) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	2
125	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at (sqrt{s_{mathrm{NN}}}=5.02) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	8
124	Measurement of normalized differential (mathrm{t}overline{mathrm{t}}) cross sections in the dilepton channel from pp collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	12
123	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at (sqrt{s}=8) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	13
122	Search for ZZ resonances in the 2□□final state in proton-proton collisions at 13 TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	3
121	Jet properties in PbPb and pp collisions at (sqrt{s_{mathrm{N};mathrm{N}}}=5.02) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	7
120	Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	22
119	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at. *European Physical Journal C*, **2018**, 78, 140	4.2	20
118	Measurement of b hadron lifetimes in pp collisions at. *European Physical Journal C*, **2018**, 78, 457	4.2	9
117	Measurements of the (mathrm {p}mathrm {p}rightarrow mathrm{Z}mathrm{Z}) production cross section and the (mathrm{Z}rightarrow 4ell) branching fraction, and constraints on anomalous triple gauge couplings at (sqrt{s} = 13,text {TeV}) **2018**, 78, 1		3
116	Measurement of b hadron lifetimes in pp collisions at (sqrt{s} = 8) (,text {Te}text {V}) **2018**, 78, 1		1
115	Search for (mathrm{t}overline{mathrm{t}}mathrm{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	5.4	13
114	Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at (sqrt{s}=8) and 13 TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	7
113	Measurement of the groomed jet mass in PbPb and pp collisions at (sqrt{s_{mathrm{NN}}}=5.02) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	5
112	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	5.4	7
111	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	14
110	Search for natural and split supersymmetry in proton-proton collisions at (sqrt{s}=13) TeV in final states with jets and missing transverse momentum. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	39

109	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	5.4	6
108	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two leptons in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	14
107	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at (sqrt{s}=8) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	16
106	Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	6
105	Charged-particle nuclear modification factors in XeXe collisions at (sqrt{s_{mathrm{NN}}} = 5.44) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	11
104	Measurement of the top quark mass with lepton+jets final states using collisions at. *European Physical Journal C*, **2018**, 78, 891	4.2	13
103	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	14
102	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	5.4	37
101	Event shape variables measured using multijet final states in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	3
100	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	12
99	Search for narrow and broad dijet resonances in proton-proton collisions at (sqrt{s}=13) TeV and constraints on dark matter mediators and other new particles. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	50
98	Search for Z resonances using leptonic and hadronic final states in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	11
97	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	5
96	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	5.4	9
95	Search for supersymmetry in events with a lepton pair and missing transverse momentum in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	14
94	Search for the decay of a Higgs boson in the channel in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	11
93	Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. *European Physical Journal C*, **2018**, 78, 707	4.2	23
92	Measurement of differential cross sections for boson production in association with jets in proton-proton collisions at. *European Physical Journal C*, **2018**, 78, 965	4.2	19

91	Studies of and mesons including the observation of the decay in proton-proton collisions at. *European Physical Journal C*, **2018**, 78, 939	4.2	12
90	Search for a heavy resonance decaying into a Z boson and a Z or W boson in 2ℓ2q final states at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	7
89	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at. *European Physical Journal C*, **2018**, 78, 697	4.2	9
88	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to eμ final states in proton-proton collisions at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	3
87	Search for new physics in dijet angular distributions using proton-proton collisions at and constraints on dark matter and other models. *European Physical Journal C*, **2018**, 78, 789	4.2	19
86	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at (sqrt{s}= 13~hbox {TeV}). *European Physical Journal C*, **2018**, 78, 1	4.2	4
85	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	5.4	15
84	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	5.4	8
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