

Francesca Ricci-Tam

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.

303
papers

9,130
citations

47
h-index

79
g-index

307
ext. papers

10,517
ext. citations

4.8
avg, IF

0.69
L-index

#	Paper	IF	Citations
303	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	
302	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	0
301	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
300	Development and validation of HERWIG7 tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021 , 81, 312	4.2	1
299	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
298	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
297	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
296	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
295	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
294	Search for a heavy vector resonance decaying to a W boson and a Higgs boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 688	4.2	0
293	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
292	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
291	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
290	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
289	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
288	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
287	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

286	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
285	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
284	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
283	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
282	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
281	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $(\sqrt{s}) = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
280	A multi-dimensional search for new heavy resonances decaying to boosted τ , μ , or boson pairs in the dijet final state at 13 TeV . <i>European Physical Journal C</i> , 2020 , 80, 237	4.2	10
279	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
278	Measurement of differential cross sections and charge ratios for s -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 370	4.2	4
277	Measurement of $(\bar{t}t)$ normalised multi-differential cross sections in (pp) collisions at $(\sqrt{s}=13, \text{TeV})$, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	13
276	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
275	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. <i>Journal of Instrumentation</i> , 2020 , 15, P02027-P02027	1	11
274	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$. <i>Journal of Instrumentation</i> , 2020 , 15, P05002-P05002	1	
273	Study of central exclusive production in proton-proton collisions at and 13 TeV . <i>European Physical Journal C</i> , 2020 , 80, 718	4.2	2
272	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
271	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 773	4.2	0
270	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 305	4.2	2
269	Search for the pair production of light top squarks in the $e\bar{e}$ final state in proton-proton collisions at $(\sqrt{s}=13) \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4

268	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
267	Search for supersymmetry in events with a photon, jets, $\bar{\nu}$ -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 444	4.2	1
266	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. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
265	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
264	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $(\sqrt{s}) = 13, \text{TeV}$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
263	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
262	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 364	4.2	18
261	Search for single production of vector-like quarks decaying to a top quark and a boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 90	4.2	6
260	Study of the underlying event in top quark pair production in collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 123	4.2	4
259	Search for rare decays of H and A Higgs bosons to $W\gamma$ and $Z\gamma$ in proton-proton collisions at $\sqrt{s} = 13$. <i>European Physical Journal C</i> , 2019 , 79, 94	4.2	7
258	Search for $(\overline{t}t) \rightarrow (\overline{b}b)$ production in the $(H) \rightarrow (\overline{b}b)$ decay channel with leptonic $(\overline{t}t) \rightarrow (\overline{b}b)$ decays in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	17
257	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
256	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 20	4.2	4
255	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 $(\sqrt{s}) = 13, \text{TeV}$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
254	Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 277	4.2	19
253	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , 2019 , 79, 564	4.2	20
252	Measurement of the top quark mass in the all-jets final state at and combination with the lepton+jets channel. <i>European Physical Journal C</i> , 2019 , 79, 313	4.2	13
251	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

250	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 969	4.2	1
249	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
248	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
247	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 886	4.2	6
246	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at. <i>European Physical Journal C</i> , 2018 , 78, 242	4.2	4
245	Pseudorapidity distributions of charged hadrons in proton-lead collisions at ($\sqrt{s_{\text{NN}}}=5.02$) and 8.16 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
244	Search for resonant and nonresonant Higgs boson pair production in the ($\text{b}\overline{\text{b}}\text{ell nu ell nu}$) final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	19
243	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
242	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
241	Measurement of associated Z + charm production in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 287	4.2	11
240	Measurement of the inclusive ($\text{t}\overline{\text{t}}$) cross section in pp collisions at ($\sqrt{s}=5.02$) TeV using final states with at least one charged lepton. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
239	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	
238	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
237	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. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
236	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	45
235	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
234	Measurement of differential cross sections in the kinematic angular variable ϕ^* for inclusive Z boson production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
233	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at ($\sqrt{s_{\text{NN}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8

232	Measurement of normalized differential ($\overline{\sigma}$) cross sections in the dilepton channel from pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
231	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
230	Search for ZZ resonances in the $2\ell\ell$ final state in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
229	Jet properties in PbPb and pp collisions at ($\sqrt{s_{\text{NN}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
228	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 140	4.2	20
227	Measurements of the ($\text{pp} \rightarrow \text{ZZ}$) production cross section and the ($\text{Z} \rightarrow 4\ell$) branching fraction, and constraints on anomalous triple gauge couplings at ($\sqrt{s} = 13, \text{TeV}$) 2018 , 78, 1		3
226	Search for ($\overline{\text{t}}\text{tH}$) 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
225	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
224	Search for natural and split supersymmetry in proton-proton collisions at ($\sqrt{s}=13$) TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	39
223	Measurement of the top quark mass with lepton+jets final states using collisions at. <i>European Physical Journal C</i> , 2018 , 78, 891	4.2	13
222	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
221	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
220	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
219	Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. <i>European Physical Journal C</i> , 2018 , 78, 707	4.2	23
218	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
217	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
216	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
215	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\ell$ final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3

214	Search for new physics in dijet angular distributions using proton-proton collisions at and constraints on dark matter and other models. <i>European Physical Journal C</i> , 2018 , 78, 789	4.2	19
213	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at ($\sqrt{s}=13$ TeV). <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	4
212	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
211	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
210	Measurement of the cross section in pp collisions at and validation of lepton analysis techniques. <i>European Physical Journal C</i> , 2018 , 78, 708	4.2	5
209	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
208	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
207	Search for a heavy resonance decaying into a Z boson and a vector boson in the ($\nu\bar{\nu}$) final state. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
206	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in collisions at 8. <i>European Physical Journal C</i> , 2018 , 78, 701	4.2	25
205	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
204	Electroweak production of two jets in association with a Z boson in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	12
203	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
202	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
201	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
200	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
199	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	28
198	Measurements of the $\sigma_{\text{had}}^{\text{had}}/\sigma_{\text{had}}^{\text{had}}$ production cross section in lepton+jets final states in pp collisions at 8 $\sigma_{\text{had}}^{\text{had}}$ and ratio of 8 to 7 $\sigma_{\text{had}}^{\text{had}}$ cross sections. <i>European Physical Journal C</i> , 2017 , 77, 15	4.2	19
197	Measurement of the $\sigma_{\text{had}}^{\text{had}}/\sigma_{\text{had}}^{\text{had}}$ production cross section using events in the $\tau\tau$ final state in pp collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2017 , 77, 172	4.2	22

196	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
195	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 92	4-2	7
194	Measurement of the WZ production cross section in pp collisions at [Formula: see text] and 8[Formula: see text] and search for anomalous triple gauge couplings at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 236	4-2	21
193	A search for new phenomena in pp collisions at [Formula: see text] in final states with missing transverse momentum and at least one jet using the [Formula: see text] variable. <i>European Physical Journal C</i> , 2017 , 77, 294	4-2	21
192	Search for new physics in the monophoton final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	11
191	Measurement of double-differential cross sections for top quark pair production in pp collisions at [Formula: see text][Formula: see text] and impact on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 459	4-2	16
190	Measurement of the jet mass in highly boosted [Formula: see text] events from pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 467	4-2	14
189	Measurements of the associated production of a Z boson and b jets in pp collisions at. <i>European Physical Journal C</i> , 2017 , 77, 751	4-2	15
188	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
187	Search for ($\overline{\mathrm{t}}$) resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	17
186	Search for associated production of dark matter with a Higgs boson decaying to ($\overline{\mathrm{b}}$) or $\bar{\mathrm{t}}$ ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	9
185	Measurement of the semileptonic ($\overline{\mathrm{t}}$) + $\bar{\mathrm{t}}$ production cross section in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
184	Measurements of the $pp \rightarrow W$ and $pp \rightarrow Z$ cross sections and limits on anomalous quartic gauge couplings at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	2
183	Search for new phenomena with the variable in the all-hadronic final state produced in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 710	4-2	54
182	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	11
181	Suppression and azimuthal anisotropy of prompt and nonprompt [Formula: see text] production in PbPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 252	4-2	58
180	Searches for pair production of third-generation squarks in [Formula: see text][Formula: see text] pp collisions. <i>European Physical Journal C</i> , 2017 , 77, 327	4-2	17
179	Measurement of the top quark mass using single top quark events in proton-proton collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2017 , 77, 354	4-2	8

178	Searches for invisible decays of the Higgs boson in pp collisions at (\sqrt{s}) = 7, 8, and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	74
177	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at (\sqrt{s} =13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	19
176	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 845	4-2	22
175	Searches for W [±] bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
174	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
173	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at (\sqrt{s} =13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	11
172	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at (\sqrt{s} =13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	20
171	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
170	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
169	Search for a heavy resonance decaying to a top quark and a vector-like top quark at (\sqrt{s} =13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
168	Test beam performance measurements for the Phase I upgrade of the CMS pixel detector. <i>Journal of Instrumentation</i> , 2017 , 12, P05022-P05022	1	3
167	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 578	4-2	21
166	Search for top quark partners with charge 5/3 in proton-proton collisions at (\sqrt{s} =13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	3
165	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
164	Measurements of jet charge with dijet events in pp collisions at (\sqrt{s} =8) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	10
163	Search for new physics with dijet angular distributions in proton-proton collisions at (\sqrt{s} =13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	11
162	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at (\sqrt{s} =13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	46
161	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at (\sqrt{s} =13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	35

160	Characterisation of irradiated thin silicon sensors for the CMS phase II pixel upgrade. <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	2
159	Search for new phenomena with multiple charged leptons in proton-proton collisions at ($\sqrt{s}=13$) (TeV). <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	2
158	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
157	Measurement of the triple-differential dijet cross section in proton-proton collisions at and constraints on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 746	4.2	8
156	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
155	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
154	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
153	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	16
152	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 325	4.2	13
151	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
150	Measurement of dijet azimuthal decorrelation in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 536	4.2	6
149	Search for s channel single top quark production in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
148	Measurement of inclusive jet production and nuclear modifications in pPb collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 372	4.2	24
147	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
146	Measurement of the ($\overline{\text{t}}\text{t}$) 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
145	Search for new physics with the M _{T2} variable in all-jets final states produced in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
144	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	9
143	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 460	4.2	14

142	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	9
141	Measurement of the inclusive jet cross section in pp collisions at ($\sqrt{s} = 2.76, \text{text {TeV}}$). <i>European Physical Journal C</i> , 2016 , 76, 1	4-2	17
140	Measurement of [Formula: see text] production with additional jet activity, including [Formula: see text] quark jets, in the dilepton decay channel using pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 379	4-2	20
139	Measurement of the differential cross section and charge asymmetry for inclusive [Formula: see text] production at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2016 , 76, 469	4-2	37
138	Observation of top quark pairs produced in association with a vector boson in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	18
137	Search for $W \rightarrow b\bar{b}$ in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	2
136	Correlations between jets and charged particles in PbPb and pp collisions at ($\sqrt{s_{\text{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	21
135	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	2
134	Search for excited leptons in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	10
133	Measurement of the [Formula: see text] production cross section in the all-jets final state in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 128	4-2	21
132	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4-2	250
131	Search for massive WH resonances decaying into the [Formula: see text] final state at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 237	4-2	19
130	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	14
129	Measurement of top quark polarisation in t-channel single top quark production. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
128	Search for heavy Majorana neutrinos in $e\bar{e}\mu^+\mu^+$ jets and $e\bar{e}\tau^+\tau^+$ jets events in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	28
127	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\mu\mu$ leptons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	16
126	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 13	4-2	35
125	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

124	Measurement of the [Formula: see text] cross section in pp collisions at [Formula: see text] TeV and limits on anomalous gauge couplings. <i>European Physical Journal C</i> , 2016 , 76, 401	4.2	38
123	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. <i>European Physical Journal C</i> , 2016 , 76, 371	4.2	25
122	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an [Formula: see text] pair in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 317	4.2	9
121	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21
120	Search for anomalous single top quark production in association with a photon in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
119	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
118	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
117	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. <i>European Physical Journal C</i> , 2015 , 75, 251	4.2	55
116	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 66	4.2	21
115	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 147	4.2	50
114	Search for decays of stopped long-lived particles produced in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 151	4.2	33
113	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	19
112	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow c \rightarrow \mu \mu$ and $B \rightarrow \mu \mu$ and $(\mathrm{mathcal{B}}\left(\mathrm{B}\right)_{\mathrm{c}}^{\mathrm{pm}}\rightarrow\mathrm{J}/\psi\left(\mathrm{pi}\right)^{\mathrm{pm}}\left(\mathrm{pi}\right)^{\mathrm{pm}}\left(\mathrm{pi}\right)^{\mathrm{mp}}\right)/\mathrm{mathcal{B}}\left(\mathrm{B}\right)_{\mathrm{c}}^{\mathrm{pm}}\rightarrow\mathrm{J}/\psi\left(\mathrm{pi}\right)^{\mathrm{pm}}\right)$ in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	13
111	Search for disappearing tracks in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	35
110	Study of Z production in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV in the dimuon and dielectron decay channels. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	18
109	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	69
108	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at ($\sqrt{s}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
107	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 235	4.2	250

106	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 288	4.2	37
105	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 237	4.2	48
104	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 302	4.2	4
103	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 325	4.2	24
102	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
101	Searches for supersymmetry using the M_{T2} variable in hadronic events produced in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	26
100	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at (\sqrt{s})=8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	33
99	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at (\sqrt{s})=8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	17
98	Search for a charged Higgs boson in pp collisions at (\sqrt{s})=8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	61
97	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at (\sqrt{s})=8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	11
96	Search for a light charged Higgs boson decaying to ($\overline{\text{charm}}$) in pp collisions at (\sqrt{s})=8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-37	5.4	33
95	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	16
94	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at (\sqrt{s})=8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	
93	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	73
92	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8[Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 212	4.2	399
91	Measurement of the $Z\gamma$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	7
90	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2015 , 75, 186	4.2	41
89	Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 542	4.2	98

88	Measurements of the $[t\bar{t}]$ production cross sections in the $[t\bar{t}]$ channel in proton-proton collisions at $\sqrt{s} = 8$ TeV and combined constraints on triple gauge couplings. <i>European Physical Journal C</i> , 2015 , 75, 511	4.2	25
87	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	18
86	Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	43
85	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $(\sqrt{s_{NN}}) = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	60
84	Measurement of associated W + charm production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	37
83	Search for new physics in events with same-sign dileptons and jets in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	38
82	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $(\sqrt{s_{NN}}) = 5.02$ (,text {TeV}). <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	67
81	Measurement of WZ and ZZ production in pp collisions at $[t\bar{t}]$ in final states with b-tagged jets. <i>European Physical Journal C</i> , 2014 , 74, 2973	4.2	16
80	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , 2014 , 74, 2980	4.2	131
79	Measurement of jet multiplicity distributions in $[t\bar{t}]$ production in pp collisions at $[t\bar{t}]$. <i>European Physical Journal C</i> , 2014 , 74, 3014	4.2	11
78	Study of double parton scattering using W + 2-jet events in proton-proton collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	61
77	Event activity dependence of $(Y)(nS)$ production in $(\sqrt{s_{NN}}) = 5.02$ TeV pPb and $(\sqrt{s}) = 2.76$ TeV pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42
76	. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
75	Evidence for the 125 GeV Higgs boson decaying to a pair of $[t\bar{t}]$ leptons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	101
74	Search for $W \rightarrow b\bar{b}$ decays in the lepton + jets final state in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	23
73	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
72	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	81
71	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	48

70	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	21
69	Search for pair production of excited top quarks in the lepton + jets final state. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	3
68	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	74
67	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	59
66	Measurement of the top-quark mass in all-jets [Formula: see text] events in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2014 , 74, 2758	4-2	21
65	Study of the production of charged pions, kaons, and protons in pPb collisions at [Formula: see text]5.02[Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 2847	4-2	71
64	Probing color coherence effects in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 2901	4-2	13
63	Search for heavy neutrinos and [Formula: see text] bosons with right-handed couplings in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3149	4-2	149
62	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3060	4-2	29
61	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3129	4-2	29
60	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	70
59	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $(\sqrt{s}) = 8$ TeV by the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2014 , 74, 1	4-2	37
58	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. <i>European Physical Journal C</i> , 2014 , 74, 3036	4-2	183
57	Measurement of prompt J/ψ pair production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	41
56	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , 2014 , 74, 3076	4-2	239
55	Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	45
54	Study of hadronic event-shape variables in multijet final states in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	3
53	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $(\sqrt{s})=8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	15

52	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	32
51	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	144
50	Measurement of the ($\overline{t}t$) production cross section in the dilepton channel in pp collisions at (\sqrt{s}) = 8 TeV 2014 , 2014, 1		3
49	Search for the associated production of the Higgs boson with a top-quark pair 2014 , 2014, 1		6
48	Search for microscopic black holes in pp collisions at (\sqrt{s} =8) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	38
47	Measurement of the (Λ_{b}^0) lifetime in pp collisions at (\sqrt{s} =7) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	14
46	Searches for long-lived charged particles in pp collisions at (\sqrt{s}) =7 and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	96
45	Study of exclusive two-photon production of W+W γ in pp collisions at (\sqrt{s} =7) TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	56
44	Observation of a new boson with mass near 125 GeV in pp collisions at (\sqrt{s} =7) and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	261
43	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	35
42	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	39
41	Measurement of the ($\overline{t}t$) production cross section in the all-jet final state in pp collisions at (\sqrt{s} =7) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	14
40	Measurement of the X(3872) production cross section via decays to J/ ψ γ in pp collisions at (\sqrt{s} =7) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	44
39	Study of the underlying event at forward rapidity in pp collisions at (\sqrt{s} =0.9,2.76,;mathrm{and};7;mathrm{TeV}). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	39
38	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at (\sqrt{s} =7) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	15
37	Search for new physics in events with same-sign dileptons and b jets in pp collisions at (\sqrt{s} =8) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	33
36	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	30
35	Search for exotic resonances decaying into WZ/ZZ in pp collisions at (\sqrt{s} =7) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	16

34	Search for supersymmetry in pp collisions at [Formula: see text] TeV in events with a single lepton, jets, and missing transverse momentum. <i>European Physical Journal C</i> , 2013 , 73, 2404	4.2	15
33	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2469	4.2	49
32	Measurement of the production cross section for $(\mathrm{Z}\gamma \rightarrow \nu \overline{\nu})$ in pp collisions at $(\sqrt{s} = 7)$ TeV and limits on ZZ and Z triple gauge boson couplings. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	12
31	Measurement of the W-boson helicity in top-quark decays from $(\mathrm{t} \rightarrow \overline{\mathrm{t}})$ production in lepton+jets events in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	25
30	Search for supersymmetry in hadronic final states with missing transverse energy using the variables and b-quark multiplicity in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2568	4.2	82
29	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	10
28	Measurement of masses in the [Formula: see text] system by kinematic endpoints in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2494	4.2	37
27	Search for physics beyond the standard model in events with leptons, jets, and large transverse momentum imbalance in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2493 ^{4.2}	4.2	10
26	Measurement of the $(\mathrm{t}\overline{\mathrm{t}})$ production cross section in the ≥ 3 jets channel in pp collisions at $(\sqrt{s}=7 \text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	21
25	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2674	4.2	24
24	Search for top-squark pair production in the single-lepton final state in pp collisions at $(\sqrt{s}=8 \text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	162
23	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
22	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	26
21	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	50
20	Measurement of the $W+W$ cross section in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ and limits on anomalous WW and WWZ couplings. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	56
19	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	37
18	Measurement of the ZZ production cross section and search for anomalous couplings in $2\mu\mu$ final states in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39
17	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or ≥ 3 b-quark jets in 7 TeV pp collisions using the variable \mathcal{H}_T . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	29

16	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	12
15	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2283	4.2	45
14	Measurement of differential top-quark-pair production cross sections in pp collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	102
13	Search for new physics in events with same-sign dileptons and b jets in pp collisions at ($\sqrt{s}=8$) TeV 2013 , 2013, 1		2
12	Search for a light charged Higgs boson in top quark decays in pp collisions at ($\sqrt{s} = 7$;TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	101
11	Search for dark matter and large extra dimensions in monojet events in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	155
10	Measurement of the ($\overline{\text{t}}$) production cross section in the dilepton channel in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	64
9	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	41
8	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	10
7	Search for resonant ($\overline{\text{t}}$) production in lepton+jets events in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	25
6	Measurement of the single-top-quark t-channel cross section in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	70
5	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at ($\sqrt{s}=7$;TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	12
4	Measurement of the top-quark mass in ($\overline{\text{t}}$) events with lepton+jets final states in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	30
3	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at ($\sqrt{s} = 0.9, 2.76, \text{ and } 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	133
2	Measurement of the top-quark mass in ($\overline{\text{t}}$) events with dilepton final states in pp collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	36
1	Measurement of the relative prompt production rate of and in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2251	4.2	46