

# Andre Sznajder

## 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.

922  
papers

39,640  
citations

83  
h-index

158  
g-index

955  
ext. papers

45,041  
ext. citations

4.9  
avg, IF

3.71  
L-index

#	Paper	IF	Citations
922	Evidence for X(3872) in Pb-Pb Collisions and Studies of its Prompt Production at $\sqrt{s_{NN}}=5.02$ TeV.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 032001	7.4	1
921	Search for W resonances in proton-proton collisions at $s=13$ TeV using hadronic decays of Lorentz-boosted W bosons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2022</b> , 826, 136888	4.2	0
920	Measurement of the Inclusive and Differential Higgs Boson Production Cross Sections in the Decay Mode to a Pair of Leptons in pp Collisions at $\sqrt{s}=13$ TeV.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 081805	7.4	0
919	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> , <b>2022</b> , 2022, 1	5.4	0
918	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> , <b>2022</b> , 2022, 1	5.4	1
917	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at .. <i>European Physical Journal C</i> , <b>2022</b> , 82, 153	4.2	0
916	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> , <b>2022</b> , 2022, 1	5.4	
915	Using Z Boson Events to Study Parton-Medium Interactions in Pb-Pb Collisions.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 122301	7.4	0
914	A new calibration method for charm jet identification validated with proton-proton collision events at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , <b>2022</b> , 17, P03014	1	0
913	Search for strongly interacting massive particles generating trackless jets in proton-proton collisions at .. <i>European Physical Journal C</i> , <b>2022</b> , 82, 213	4.2	0
912	Observation of Bs0 mesons and measurement of the Bs0/B+ yield ratio in. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2022</b> , 137062	4.2	
911	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> , <b>2022</b> , 82, 290	4.2	0
910	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> , <b>2022</b> , 2022, 1	5.4	0
909	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> , <b>2022</b> , 2022, 1	5.4	0
908	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> , <b>2022</b> , 2022, 1	5.4	0
907	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> , <b>2022</b> , 2022, 1	5.4	0
906	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> , <b>2022</b> , 2022, 1	5.4	0

905	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
904	Measurement of the inclusive $\overline{t}t$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	
903	Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at $\sqrt{s}=5.02$ TeV Using Leptonic Decays. <i>Physical Review Letters</i> , <b>2021</b> , 127, 191801	7.4	0
902	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 970	4.2	3
901	Measurement of differential $t\bar{t}$ production cross sections in the full kinematic range using lepton+jets events from proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	1
900	Measurement of the electroweak production of $Z$ and two jets in proton-proton collisions at $s=13$ TeV and constraints on anomalous quartic gauge couplings. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	1
899	Measurements of production cross sections and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 200	4.2	5
898	Development and validation of HERWIG tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , <b>2021</b> , 81, 312	4.2	1
897	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> , <b>2021</b> , 81, 378	4.2	5
896	Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC. <i>Journal of Instrumentation</i> , <b>2021</b> , 16, P05014	1	11
895	Measurement of the CP-violating phase $\varphi_s$ in the $B_s^0 \rightarrow \mu^+ \mu^- (1020) \rightarrow \mu^+ \mu^- K_L$ channel in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 816, 136188	4.2	1
894	Measurement of the $W$ Production Cross Section in Proton-Proton Collisions at $\sqrt{s}=13$ TeV and Constraints on Effective Field Theory Coefficients. <i>Physical Review Letters</i> , <b>2021</b> , 126, 252002	7.4	0
893	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> , <b>2021</b> , 81, 488	4.2	5
892	Observation of a New Excited Beauty Strange Baryon Decaying to $\Lambda_b^+ \mu^+ \mu^-$ . <i>Physical Review Letters</i> , <b>2021</b> , 126, 252003	7.4	1
891	Performance of the CMS muon trigger system in proton-proton collisions at $\sqrt{s} = 13$ . <i>Journal of Instrumentation</i> , <b>2021</b> , 16, P07001	1	2
890	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> , <b>2021</b> , 2021, 1	5.4	3
889	Measurements of production cross sections of polarized same-sign $W$ boson pairs in association with two jets in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 812, 136018	4.2	6
888	Search for dark matter produced in association with a leptonically decaying boson in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 13	4.2	7

887	Search for top squark pair production using dilepton final states in collision data collected at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 3	4.2	5
886	Studies of charm and beauty hadron long-range correlations in pp and pPb collisions at LHC energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 813, 136036	4.2	1
885	Search for long-lived particles using displaced jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	4
884	MUSiC: a model-unspecific search for new physics in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 629	4.2	4
883	Search for the rare decay of the W boson into a pion and a photon in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 819, 136409	4.2	0
882	Constraints on the Initial State of Pb-Pb Collisions via Measurements of Z-Boson Yields and Azimuthal Anisotropy at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2021</b> , 127, 102002	7.4	1
881	Search for a heavy vector resonance decaying to a $\Upsilon$ boson and a Higgs boson in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 688	4.2	0
880	Measurement of the azimuthal anisotropy of and mesons in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 819, 136385	4.2	1
879	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> , <b>2021</b> , 81, 723	4.2	3
878	Search for lepton-flavor violating decays of the Higgs boson in the $\Upsilon$ and $e\bar{e}$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	2
877	Search for singly and pair-produced leptoquarks coupling to third-generation fermions in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 819, 136446	4.2	8
876	Search for $W^\pm$ bosons decaying to a top and a bottom quark at $\sqrt{s}=13$ TeV in the hadronic final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 820, 136535	4.2	2
875	First measurement of the cross section for top quark pair production with additional charm jets using dileptonic final states in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 820, 136565	4.2	0
874	Constraints on anomalous Higgs boson couplings to vector bosons and fermions in its production and decay using the four-lepton final state. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	3
873	Measurements of angular distance and momentum ratio distributions in three-jet and + two-jet final states in collisions. <i>European Physical Journal C</i> , <b>2021</b> , 81, 852	4.2	0
872	Precision luminosity measurement in proton-proton collisions at in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , <b>2021</b> , 81, 800	4.2	7
871	Search for top squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2021</b> , 104,	4.9	4
870	Evidence for electroweak production of four charged leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 812, 135992	4.2	4

869	Search for Long-Lived Particles Decaying in the CMS End Cap Muon Detectors in Proton-Proton Collisions at $\sqrt{s}=13$ TeV.. <i>Physical Review Letters</i> , <b>2021</b> , 127, 261804	7.4	0
868	Pileup mitigation at CMS in 13 TeV data. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P09018-P09018	1	14
867	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P10017-P10017	1	23
866	Measurements of the W boson rapidity, helicity, double-differential cross sections, and charge asymmetry in pp collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	4
865	Measurement of the top quark Yukawa coupling from $tt\bar{\nu}$ kinematic distributions in the dilepton final state in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	4
864	Evidence for Top Quark Production in Nucleus-Nucleus Collisions. <i>Physical Review Letters</i> , <b>2020</b> , 125, 222001	7.4	1
863	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> , <b>2020</b> , 2020, 1	5.4	12
862	Search for bottom-type, vectorlike quark pair production in a fully hadronic final state in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	3
861	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P06005-P06005	1	18
860	Search for resonant pair production of Higgs bosons in the $bbZZ$ channel in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	4
859	Search for a light charged Higgs boson in the $H\bar{H}-e\bar{e}$ channel in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	6
858	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> , <b>2020</b> , 2020, 1	5.4	8
857	Search for dijet resonances using events with three jets in proton-proton collisions at $s=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 805, 135448	4.2	1
856	Search for disappearing tracks in proton-proton collisions at $s=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 806, 135502	4.2	14
855	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 189	4.2	3
854	Multiparticle correlation studies in pPb collisions at $s_{NN}=8.16$ TeV. <i>Physical Review C</i> , <b>2020</b> , 101,	2.7	2
853	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. <i>European Physical Journal C</i> , <b>2020</b> , 80, 534	4.2	6
852	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 43	4.2	6

851	Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2020</b> , 124, 041803	7.4	3
850	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> , <b>2020</b> , 80, 1	4.2	4
849	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> , <b>2020</b> , 80, 75	4.2	24
848	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> , <b>2020</b> , 80, 3	4.2	16
847	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , <b>2020</b> , 80, 4	4.2	61
846	Constraints on the $c_1$ versus $c_2$ Polarizations in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2020</b> , 124, 162002	7.4	6
845	Study of $J/\psi$ meson production inside jets in pp collisions at $s=8\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 804, 135409	4.2	3
844	Search for a Narrow Resonance Lighter than $200\text{GeV}$ Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2020</b> , 124, 131802	7.4	12
843	Study of excited $B_0$ states decaying to $B_0\pi$ in proton-proton collisions at $s=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 803, 135345	4.2	19
842	A measurement of the Higgs boson mass in the diphoton decay channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 805, 135425	4.2	25
841	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	7
840	A multi-dimensional search for new heavy resonances decaying to boosted $\chi\chi$ or boson pairs in the dijet final state at $13\text{TeV}$ . <i>European Physical Journal C</i> , <b>2020</b> , 80, 237	4.2	10
839	Production of $\Lambda^+$ baryons in proton-proton and lead-lead collisions at $s_{NN}=5.02\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 803, 135328	4.2	11
838	Measurement of single-diffractive dijet production in proton-proton collisions at with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1164	4.2	0
837	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> , <b>2020</b> , 80, 370	4.2	4
836	Measurement of $(\sigma_{\text{pp}})$ normalised multi-differential cross sections in $(\text{pp})$ 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> , <b>2020</b> , 80, 1	4.2	13
835	Observation of the $B_0 \rightarrow \gamma \pi^0$ decay in proton-proton collisions at $s=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 802, 135203	4.2	5
834	Observation of electroweak production of $W\gamma$ with two jets in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 811, 135988	4.2	3

833	Reconstruction of signal amplitudes in the CMS electromagnetic calorimeter in the presence of overlapping proton-proton interactions. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P10002-P10002	1	4
832	Observation of nuclear modifications in $W\bar{b}$ boson production in pPb collisions at $\sqrt{s_{NN}}=8.16\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 800, 135048	4.2	9
831	Search for light pseudoscalar boson pairs produced from decays of the 125 GeV Higgs boson in final states with two muons and two nearby tracks in pp collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 800, 135087	4.2	15
830	Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 800, 135042	4.2	8
829	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s}=13\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2020</b> , 125, 151802	7.4	2
828	Measurements of production cross sections of WZ and same-sign WW boson pairs in association with two jets in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 809, 135710	4.2	14
827	Strange hadron production in pp and pPb collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$ . <i>Physical Review C</i> , <b>2020</b> , 101,	2.7	1
826	Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at $\sqrt{s}=13\sqrt{\text{TeV}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 808, 135609	4.2	3
825	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. <i>Computing and Software for Big Science</i> , <b>2020</b> , 4, 10	6	3
824	$W+W\bar{b}$ boson pair production in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	4
823	Measurements of $t\bar{t}$ Production and the CP Structure of the Yukawa Interaction between the Higgs Boson and Top Quark in the Diphoton Decay Channel. <i>Physical Review Letters</i> , <b>2020</b> , 125, 061801	7.4	15
822	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> , <b>2020</b> , 15, P02027-P02027	1	11
821	Measurement of the $Y(1S)$ pair production cross section and search for resonances decaying to $Y(1S)\bar{b}$ in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 808, 135578	4.2	10
820	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s}=13\text{ TeV}$ . <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P05002-P05002	1	
819	Search for supersymmetry in pp collisions at $\sqrt{s}=13\text{ TeV}$ with $137\text{ fb}^{-1}$ in final states with a single lepton using the sum of masses of large-radius jets. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	6
818	Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in pp Collisions at $\sqrt{s}=13\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2020</b> , 124, 202001	7.4	2
817	Observation of the $B_{s}^{0}\rightarrow X(3872)\gamma$ Decay. <i>Physical Review Letters</i> , <b>2020</b> , 125, 152001	7.4	4
816	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	6

815	Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 718	4.2	2
814	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> , <b>2020</b> , 80, 752	4.2	2
813	Studies of Charm Quark Diffusion inside Jets Using Pb-Pb and pp Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2020</b> , 125, 102001	7.4	3
812	Combined search for supersymmetry with photons in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 801, 135183	4.2	
811	Measurement of the $t\bar{t}b\bar{b}$ production cross section in the all-jet final state in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 803, 135285	4.2	5
810	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> , <b>2019</b> , 79, 773	4.2	0
809	Search for a Light Charged Higgs Boson Decaying to a W Boson and a CP-Odd Higgs Boson in Final States with $e\bar{\nu}_\tau$ in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 131802	7.4	6
808	Studies of Beauty Suppression via Nonprompt $D^0$ Mesons in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 022001	7.4	7
807	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 305	4.2	2
806	Measurement of electroweak WZ boson production and search for new physics in WZ + two jets events in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 795, 281-307	4.2	19
805	Search for Higgs and Z boson decays to $J/\psi$ or $\Upsilon$ pairs in the four-muon final state in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 797, 134811	4.2	4
804	A search for pair production of new light bosons decaying into muons in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 796, 131-154	4.2	16
803	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 011803	7.4	7
802	Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 021801	7.4	22
801	Search for supersymmetric partners of electrons and muons in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 790, 140-166	4.2	24
800	Measurement and interpretation of differential cross sections for Higgs boson production at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 792, 369-396	4.2	18
799	Search for an $L$ gauge boson using $Z \rightarrow \mu\mu$ events in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 792, 345-368	4.2	29
798	FCC Physics Opportunities. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	174



797	Search for the pair production of light top squarks in the $e\bar{e}$ final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	4
796	Measurement of associated production of a boson and a charm quark in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 269	4.2	9
795	Observation of prompt $J/\psi$ meson elliptic flow in high-multiplicity pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 791, 172-194	4.2	14
794	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 421	4.2	153
793	Search for supersymmetry in events with a photon, jets, $\bar{b}$ -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 444	4.2	1
792	Measurements of the Higgs boson width and anomalous HVV couplings from on-shell and off-shell production in the four-lepton final state. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	42
791	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> , <b>2019</b> , 2019, 1	5.4	10
790	Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 791, 96-129	4.2	27
789	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> , <b>2019</b> , 79, 368	4.2	27
788	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> , <b>2019</b> , 79, 1	4.2	7
787	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> , <b>2019</b> , 79, 280	4.2	12
786	Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at $s=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 793, 320-347	4.2	21
785	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> , <b>2019</b> , 79, 364	4.2	18
784	Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 793, 520-551	4.2	86
783	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 121803	7.4	35
782	Jet Shapes of Isolated Photon-Tagged Jets in Pb-Pb and pp Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 152001	7.4	8
781	Search for W Boson Decays to Three Charged Pions. <i>Physical Review Letters</i> , <b>2019</b> , 122, 151802	7.4	1
780	Measurement of prompt $(\psi S)$ production cross sections in proton-lead and proton-proton collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 790, 509-532	4.2	6

779	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> , <b>2019</b> , 79, 90	4.2	6
778	Study of the underlying event in top quark pair production in collisions at 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 123	4.2	4
777	Search for rare decays of and Higgs bosons to and a photon in proton-proton collisions at = 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 94	4.2	7
776	Search for long-lived particles decaying into displaced jets in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	24
775	Search for $(\overline{\text{H}} \rightarrow \text{b}\overline{\text{b}})$ production in the $(\text{H} \rightarrow \text{t}\overline{\text{t}})$ decay channel with leptonic $(\overline{\text{H}} \rightarrow \text{t}\overline{\text{t}})$ decays in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	17
774	Search for Narrow H Resonances in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 081804	7.4	1
773	Observation of Single Top Quark Production in Association with a Z Boson in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 132003	7.4	6
772	Observation of Two Excited $B_{c}^{+}$ States and Measurement of the $B_{c}^{+}(2S)$ Mass in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 132001	7.4	31
771	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> , <b>2019</b> , 2019, 1	5.4	7
770	Measurement of nuclear modification factors of $\rho(1S)$ , $\rho(2S)$ , and $\rho(3S)$ mesons in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 790, 270-293	4.2	40
769	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 20	4.2	4
768	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> , <b>2019</b> , 2019, 1	5.4	8
767	Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review C</i> , <b>2019</b> , 100,	2.7	2
766	Search for the production of $W\overline{W}W$ events at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	3
765	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	13
764	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> , <b>2019</b> , 79, 1	4.2	6
763	Search for pair production of second-generation leptoquarks at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	20
762	Search for pair production of first-generation scalar leptoquarks at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	15

761	Measurement of exclusive $\pi^0$ photoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 702	4.2	13
760	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 795, 76-99	4.2	2
759	Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 277	4.2	19
758	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 564	4.2	20
757	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two muons and two b quarks in pp collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 795, 398-423	4.2	17
756	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> , <b>2019</b> , 79, 313	4.2	13
755	Search for long-lived particles using nonprompt jets and missing transverse momentum with proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 797, 134876	4.2	15
754	Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 798, 134952	4.2	10
753	Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 798, 134985	4.2	16
752	Search for MSSM Higgs bosons decaying to $\mu\mu$ in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 798, 134992	4.2	11
751	An embedding technique to determine $\mu$ backgrounds in proton-proton collision data. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P06032-P06032	1	5
750	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 13$ TeV using the CMS detector. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P07004-P07004	1	39
749	Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	5
748	Charged-particle angular correlations in XeXe collisions at $\sqrt{s_{NN}}=5.44$ TeV. <i>Physical Review C</i> , <b>2019</b> , 100,	2.7	14
747	Measurements of differential Z boson production cross sections in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	11
746	Study of the ( $\text{B}^+ \rightarrow \text{J}/\psi \overline{\Lambda} \text{p}$ ) decay in proton-proton collisions at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	1
745	Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	12
744	Search for pair-produced three-jet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	2

743	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 969	4.2	1
742	Pseudorapidity distributions of charged hadrons in xenon-xenon collisions at $\sqrt{s_{NN}}=5.44$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 799, 135049	4.2	5
741	Search for vectorlike leptons in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	14
740	Search for pair production of vectorlike quarks in the fully hadronic final state. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	18
739	Measurement of the top quark polarization and $tt$ spin correlations using dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	13
738	Constraints on anomalous HVV couplings from the production of Higgs bosons decaying to $\ell\ell$ pairs. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	11
737	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	10
736	Probing the chiral magnetic wave in pPb and PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV using charge-dependent azimuthal anisotropies. <i>Physical Review C</i> , <b>2019</b> , 100,	2.7	5
735	Measurement of the differential Drell-Yan cross section in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	6
734	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> , <b>2019</b> , 79, 893	4.2	6
733	Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. <i>Physical Review Letters</i> , <b>2019</b> , 123, 241801	7.4	
732	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 886	4.2	6
731	Search for long-lived particles using delayed photons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	7
730	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 231803	7.4	7
729	Search for Higgs boson pair production in the $bb$ final state in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 788, 7-36	4.2	24
728	Measurement of differential cross sections for Z boson pair production in association with jets at $\sqrt{s}=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 789, 19-44	4.2	3
727	Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. <i>Physical Review Letters</i> , <b>2018</b> , 120, 071802	7.4	30
726	Observation of Electroweak Production of Same-Sign W Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 120, 081801	7.4	50

725	Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp and p+Pb Collisions at the LHC. <i>Physical Review Letters</i> , <b>2018</b> , 120, 092301	7.4	27
724	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 242	4.2	4
723	Measurement of the Splitting Function in pp and Pb-Pb Collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 120, 142302	7.4	27
722	Measurement of quarkonium production cross sections in pp collisions at $s=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 780, 251-272	4.2	20
721	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> , <b>2018</b> , 2018, 1	5.4	4
720	Observation of the Higgs boson decay to a pair of $\tau$ leptons with the CMS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 779, 283-316	4.2	78
719	Suppression of Excited $\chi$ States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 120, 142301	7.4	12
718	Search for Higgsino pair production in pp collisions at $s=13$ TeV in final states with large missing transverse momentum and two Higgs bosons decaying via $H\rightarrow b\bar{b}$ . <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	8
717	Search for resonant and nonresonant Higgs boson pair production in the ( $\text{b}\overline{\text{b}}\ell\ell$ ) final state in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	19
716	Search for heavy resonances decaying to a top quark and a bottom quark in the lepton+jets final state in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 777, 39-63	4.2	14
715	Measurements of $t\bar{t}$ cross sections in association with b jets and inclusive jets and their ratio using dilepton final states in pp collisions at $s=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 776, 355-378	4.2	12
714	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> , <b>2018</b> , 78, 291	4.2	17
713	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 165	4.2	29
712	Measurement of associated Z + charm production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 287	4.2	11
711	Measurement of the inclusive ( $t\overline{t}$ ) 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> , <b>2018</b> , 2018, 1	5.4	3
710	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> , <b>2018</b> , 2018, 1	5.4	
709	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> , <b>2018</b> , 2018, 1	5.4	2
708	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> , <b>2018</b> , 2018, 1	5.4	4

707	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> , <b>2018</b> , 2018, 1	5-4	45
706	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> , <b>2018</b> , 2018, 1	5-4	40
705	Measurement of differential cross sections in the kinematic angular variable $\theta^*$ for inclusive Z boson production in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	2
704	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	8
703	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> , <b>2018</b> , 2018, 1	5-4	12
702	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> , <b>2018</b> , 2018, 1	5-4	13
701	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> , <b>2018</b> , 2018, 1	5-4	3
700	Search for massive resonances decaying into WW, WZ, ZZ, qW, and qZ with dijet final states at $s=13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 97,	4-9	20
699	Measurement of the B polarization and angular parameters in $B \rightarrow J/\psi$ decays from pp collisions at $s=7$ and 8 TeV. <i>Physical Review D</i> , <b>2018</b> , 97,	4-9	6
698	Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 780, 118-143	4-2	9
697	Bose-Einstein correlations in pp, pPb, and PbPb collisions at $s_{\mathrm{NN}}=0.9$ TeV. <i>Physical Review C</i> , <b>2018</b> , 97,	2-7	15
696	Measurement of differential cross sections for the production of top quark pairs and of additional jets in lepton+jets events from pp collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 97,	4-9	20
695	Search for new physics in final states with an energetic jet or a hadronically decaying W or Z boson and transverse momentum imbalance at $s=13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 97,	4-9	51
694	Jet properties in PbPb and pp collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	7
693	Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 779, 166-190	4-2	4
692	Search for pair production of vector-like quarks in the $bWb^*W$ channel from proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 779, 82-106	4-2	29
691	Measurement of the associated production of a single top quark and a Z boson in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 779, 358-384	4-2	11
690	Search for new long-lived particles at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 780, 432-454	4-2	20

689	Search for supersymmetry in events with one lepton and multiple jets exploiting the angular correlation between the lepton and the missing transverse momentum in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 780, 384-409	4.2	2
688	Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Journal of Instrumentation</i> , <b>2018</b> , 13, P06015-P06015	1	118
687	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> , <b>2018</b> , 78, 140	4.2	20
686	Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity p+Pb Collisions at $\sqrt{s_{NN}}=8.16\text{TeV}$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 082301	7.4	35
685	Study of jet quenching with isolated-photon+jet correlations in PbPb and pp collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 785, 14-39	4.2	21
684	Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s}=13\text{TeV}$ . <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	26
683	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 062002	7.4	8
682	Observation of $t\bar{t}\overline{\text{H}}$ Production. <i>Physical Review Letters</i> , <b>2018</b> , 120, 231801	7.4	96
681	Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at $13\text{TeV}$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 241801	7.4	9
680	Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 221801	7.4	62
679	Search for vectorlike light-flavor quark partners in proton-proton collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	6
678	Search for single production of a vector-like T quark decaying to a Z boson and a top quark in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 781, 574-600	4.2	24
677	Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 781, 244-269	4.2	22
676	Search for the $X(5568)$ State Decaying into $B_{s}^{0}\overline{B}_{s}^{0}$ in Proton-Proton Collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 202005	7.4	36
675	Measurements of the $(\text{p}\overline{\text{p}}\rightarrow\text{Z}\text{Z})$ production cross section and the $(\text{Z}\rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s}=13,\text{TeV})$ <b>2018</b> , 78, 1		3
674	Azimuthal anisotropy of charged particles with transverse momentum up to $100\text{GeV}/c$ in PbPb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 776, 195-216	4.2	27
673	Search for $(\overline{\text{t}}\text{t}\overline{\text{H}})$ production in the all-jet final state in proton-proton collisions at $(\sqrt{s}=13)\text{TeV}$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	13
672	Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	8

671	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> , <b>2018</b> , 2018, 1	5.4	7
670	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> , <b>2018</b> , 2018, 1	5.4	39
669	Pseudorapidity and transverse momentum dependence of flow harmonics in pPb and PbPb collisions. <i>Physical Review C</i> , <b>2018</b> , 98,	2.7	6
668	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> , <b>2018</b> , 2018, 1	5.4	6
667	Precision measurement of the structure of the CMS inner tracking system using nuclear interactions. <i>Journal of Instrumentation</i> , <b>2018</b> , 13, P10034-P10034	1	7
666	Measurement of the top quark mass with lepton+jets final states using collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 891	4.2	13
665	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> , <b>2018</b> , 2018, 1	5.4	37
664	Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	14
663	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 121, 241802	7.4	20
662	Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	12
661	Measurement of jet substructure observables in $t\bar{t}$ events from proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	12
660	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> , <b>2018</b> , 2018, 1	5.4	11
659	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> , <b>2018</b> , 2018, 1	5.4	9
658	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV Using Isolated Photon-Tagged Jets. <i>Physical Review Letters</i> , <b>2018</b> , 121, 242301	7.4	15
657	Performance of reconstruction and identification of $\tau$ leptons decaying to hadrons and $\nu_{\tau}$ in pp collisions at $\sqrt{s}=13$ TeV. <i>Journal of Instrumentation</i> , <b>2018</b> , 13, P10005-P10005	1	29
656	Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 121, 221802	7.4	6
655	Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 707	4.2	23
654	Measurement of differential cross sections for boson production in association with jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 965	4.2	19



653	Studies of and mesons including the observation of the decay in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 939	4.2	12
652	Observation of the $Z \rightarrow \mu^+ \mu^-$ Decay in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 121, 141801	7.4	1
651	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> , <b>2018</b> , 2018, 1	5.4	7
650	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 697	4.2	9
649	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> , <b>2018</b> , 2018, 1	5.4	3
648	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> , <b>2018</b> , 78, 789	4.2	19
647	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> , <b>2018</b> , 78, 1	4.2	4
646	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> , <b>2018</b> , 2018, 1	5.4	15
645	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> , <b>2018</b> , 2018, 1	5.4	8
644	Measurement of the cross section in pp collisions at and validation of lepton analysis techniques. <i>European Physical Journal C</i> , <b>2018</b> , 78, 708	4.2	5
643	Search for dark matter produced in association with a Higgs boson decaying to $\ell\bar{\nu}\ell$ at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
642	Search for Pair-Produced Resonances Each Decaying into at Least Four Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 121, 141802	7.4	1
641	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> , <b>2018</b> , 2018, 1	5.4	7
640	Search for a heavy resonance decaying into a Z boson and a vector boson in the $(\overline{\nu}_q \overline{\nu}_q)$ final state. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
639	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. <i>Journal of Instrumentation</i> , <b>2018</b> , 13, P05011-P05011	1	152
638	Observation of the $\chi_{b1}(3P)$ and $\chi_{b2}(3P)$ and Measurement of their Masses. <i>Physical Review Letters</i> , <b>2018</b> , 121, 092002	7.4	16
637	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> , <b>2018</b> , 78, 701	4.2	25
636	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , <b>2018</b> , 78, 509	4.2	37

635	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $\tau$ leptons at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
634	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two b quarks and two $\tau$ leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 785, 462-488	4.2	28
633	Observation of Higgs Boson Decay to Bottom Quarks. <i>Physical Review Letters</i> , <b>2018</b> , 121, 121801	7.4	79
632	Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	26
631	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> , <b>2018</b> , 78, 1	4.2	12
630	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> , <b>2018</b> , 2018, 1	5.4	16
629	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> , <b>2018</b> , 2018, 1	5.4	10
628	Measurement of the inelastic proton-proton cross section at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	41
627	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> , <b>2018</b> , 2018, 1	5.4	63
626	Search for Narrow Resonances in the b-Tagged Dijet Mass Spectrum in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 120, 201801	7.4	13
625	Search for Higgs boson pair production in events with two bottom quarks and two tau leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 778, 101-127	4.2	35
624	Search for the pair production of third-generation squarks with two-body decays to a bottom or charm quark and a neutralino in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 778, 263-291	4.2	12
623	Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in pPb and PbPb collisions at the CERN Large Hadron Collider. <i>Physical Review C</i> , <b>2018</b> , 97,	2.7	40
622	Measurement of Prompt $D^0$ Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 120, 202301	7.4	39
621	Search for pair production of excited top quarks in the lepton + jets final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 778, 349-370	4.2	6
620	Search for excited quarks of light and heavy flavor in $\tau$ jet final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 781, 390-411	4.2	5
619	Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	16
618	Evidence for the Higgs boson decay to a bottom quark-antiquark pair. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 780, 501-532	4.2	47

617	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> , <b>2018</b> , 2018, 1	5.4	28
616	Measurement of angular parameters from the decay $B^0 \rightarrow K^* \mu^+ \mu^-$ in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 781, 517-541	4.2	44
615	Nuclear modification factor of $D^0$ mesons in PbPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 782, 474-496	4.2	61
614	Search for R-parity violating supersymmetry in pp collisions at $s=13$ TeV using b jets in a final state with a single lepton, many jets, and high sum of large-radius jet masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 783, 114-139	4.2	8
613	Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 782, 440-467	4.2	34
612	Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2017</b> , 118, 021802	7.4	23
611	Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 767, 147-170	4.2	55
610	Observation of the decay $B^+ \rightarrow D^* S^*(1020) K^+$ in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 764, 66-86	4.2	2
609	Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	7
608	Measurement of the WZ production cross section in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 766, 268-290	4.2	22
607	Search for R-parity violating supersymmetry with displaced vertices in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	11
606	Measurements of the $[Formula: see text]$ production cross section in lepton+jets final states in pp collisions at 8 $[Formula: see text]$ and ratio of 8 to 7 $[Formula: see text]$ cross sections. <i>European Physical Journal C</i> , <b>2017</b> , 77, 15	4.2	19
605	Inclusive search for supersymmetry using razor variables in pp collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	9
604	Measurement of the $[Formula: see text]$ production cross section using events in the $[Formula: see text]$ final state in pp collisions at $[Formula: see text]$ . <i>European Physical Journal C</i> , <b>2017</b> , 77, 172	4.2	22
603	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> , <b>2017</b> , 2017, 1	5.4	34
602	Search for electroweak production of charginos in final states with two $\mu$ leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
601	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> , <b>2017</b> , 77, 92	4.2	7
600	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> , <b>2017</b> , 77, 236	4.2	21

599	Measurement of prompt and nonprompt [Formula: see text] production in [Formula: see text] and [Formula: see text] collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2017</b> , 77, 269	4.2	26
598	Suppression of $\chi(1S)$ , $\chi(2S)$ , and $\chi(3S)$ quarkonium states in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 770, 357-379	4.2	57
597	Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P02014-P02014	1	149
596	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> , <b>2017</b> , 77, 294	4.2	21
595	Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 771, 80-105	4.2	11
594	Measurement of the cross section for electroweak production of $Z\nu\bar{\nu}$ association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 770, 380-402	4.2	22
593	The CMS trigger system. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P01020-P01020	1	210
592	Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 768, 103-129	4.2	23
591	Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ using the $\Delta\eta$ variable. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 767, 403-430	4.2	15
590	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ and combination with 8 TeV data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 768, 57-80	4.2	50
589	Search for dijet resonances in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ and constraints on dark matter and other models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 769, 520-542	4.2	74
588	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 768, 137-162	4.2	13
587	Observation of Charge-Dependent Azimuthal Correlations in p-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect. <i>Physical Review Letters</i> , <b>2017</b> , 118, 122301	7.4	72
586	Evidence for collectivity in pp collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 765, 193-220	4.2	171
585	Search for Supersymmetry in pp Collisions at $\sqrt{s}=13\text{ TeV}$ in the Single-Lepton Final State Using the Sum of Masses of Large-Radius Jets. <i>Physical Review Letters</i> , <b>2017</b> , 119, 151802	7.4	7
584	Measurement of the $B^{\{D\}}$ Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 152301	7.4	37
583	Measurement of the differential cross sections for the associated production of a W boson and jets in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	15
582	Search for new physics in the monophoton final state in proton-proton collisions at ( $\sqrt{s}=13\text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11

581	Pseudorapidity dependence of long-range two-particle correlations in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review C</i> , <b>2017</b> , 96,	2.7	5
580	Measurement of inclusive jet cross sections in pp and PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , <b>2017</b> , 96,	2.7	39
579	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> , <b>2017</b> , 77, 459	4.2	16
578	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> , <b>2017</b> , 77, 467	4.2	14
577	Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	7
576	Measurement of the top quark mass in the dileptonic $t\bar{t}$ decay channel using the mass observables $M_{b\bar{b}}$ , $M_{b\bar{c}}$ , and $M_{b\bar{d}}$ in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	8
575	Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	50
574	Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of W and Z Bosons Using pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2017</b> , 119, 141802	7.4	28
573	Measurements of the associated production of a Z boson and b jets in pp collisions at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 751	4.2	15
572	Study of Jet Quenching with Z+jet Correlations in Pb-Pb and pp Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2017</b> , 119, 082301	7.4	22
571	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2017</b> , 119, 111802	7.4	21
570	Search for standard model production of four top quarks in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 336-358	4.2	10
569	Charged-particle nuclear modification factors in PbPb and pPb collisions at ( $\sqrt{s_{\mathcal{N}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	64
568	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 770, 50-71	4.2	6
567	Search for anomalous couplings in boosted $WW/WZ$ production in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 21-42	4.2	22
566	Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 769, 391-412	4.2	3
565	Search for heavy gauge $W'$ bosons in events with an energetic lepton and large missing transverse momentum at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 770, 278-301	4.2	24
564	Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 306-329	4.2	14

563	Search for high-mass $Z\bar{\nu}$ resonances in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV using jet substructure techniques. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 363-387	4.2	10
562	Search for $(\overline{\text{t}})$ 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> , <b>2017</b> , 2017, 1	5.4	17
561	Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 634-656	4.2	11
560	Cross section measurement of t-channel single top quark production in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 752-776	4.2	32
559	Measurement of differential cross sections for top quark pair production using the lepton+jets final state in proton-proton collisions at 13 TeV. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	41
558	Search for associated production of dark matter with a Higgs boson decaying to $(\overline{\text{b}})$ or $\bar{\text{t}}$ ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
557	Observation of Top Quark Production in Proton-Nucleus Collisions. <i>Physical Review Letters</i> , <b>2017</b> , 119, 242001	7.4	11
556	Observation of $Y(1S)$ pair production in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	29
555	Search for anomalous $Wtb$ couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	26
554	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	8
553	Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 775, 1-24	4.2	32
552	Measurement of the semileptonic $(\overline{\text{t}}) + \bar{\nu}$ production cross section in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
551	Measurements of the $pp \rightarrow W\bar{\nu}$ and $pp \rightarrow Z\bar{\nu}$ cross sections and limits on anomalous quartic gauge couplings at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	2
550	Mechanical stability of the CMS strip tracker measured with a laser alignment system. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P04023-P04023	1	
549	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> , <b>2017</b> , 77, 710	4.2	54
548	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> , <b>2017</b> , 2017, 1	5.4	11
547	Search for leptophobic $Z'$ bosons decaying into four-lepton final states in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 773, 563-584	4.2	6
546	Search for black holes and other new phenomena in high-multiplicity final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 774, 279-307	4.2	10

545	Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 774, 533-558	4.2	25
544	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	19
543	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
542	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	10
541	Measurement of the differential inclusive B+ hadron cross sections in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 771, 435-456	4.2	15
540	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> , <b>2017</b> , 77, 252	4.2	58
539	Searches for pair production of third-generation squarks in [Formula: see text][Formula: see text] pp collisions. <i>European Physical Journal C</i> , <b>2017</b> , 77, 327	4.2	17
538	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> , <b>2017</b> , 77, 354	4.2	8
537	Relative Modification of Prompt ( $\mathcal{R}_S$ ) and J/ $\Upsilon$ yields from pp to PbPb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2017</b> , 118, 162301	7.4	18
536	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> , <b>2017</b> , 2017, 1	5.4	74
535	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> , <b>2017</b> , 2017, 1	5.4	19
534	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 845	4.2	22
533	Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2017</b> , 119, 221802	7.4	23
532	Measurement of electroweak-induced production of $W\Upsilon$ with two jets in pp collisions at ( $\sqrt{s}=8$ ) TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
531	Searches for $W\Upsilon$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
530	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
529	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> , <b>2017</b> , 2017, 1	5.4	18
528	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> , <b>2017</b> , 2017, 1	5.4	11

527	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> , <b>2017</b> , 2017, 1	5.4	20
526	Principal-component analysis of two-particle azimuthal correlations in PbPb and pPb collisions at CMS. <i>Physical Review C</i> , <b>2017</b> , 96,	2.7	12
525	Search for Higgs boson pair production in the $b\bar{b}$ final state in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	14
524	Measurement of charged pion, kaon, and proton production in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	33
523	Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 774, 682-705	4.2	29
522	Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 775, 315-337	4.2	6
521	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> , <b>2017</b> , 2017, 1	5.4	25
520	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
519	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> , <b>2017</b> , 2017, 1	5.4	14
518	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> , <b>2017</b> , 2017, 1	5.4	4
517	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> , <b>2017</b> , 77, 578	4.2	21
516	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> , <b>2017</b> , 2017, 1	5.4	3
515	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> , <b>2017</b> , 2017, 1	5.4	21
514	Measurements of jet charge with dijet events in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
513	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
512	Search for new physics with dijet angular distributions in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
511	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> , <b>2017</b> , 2017, 1	5.4	46
510	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> , <b>2017</b> , 2017, 1	5.4	35



509	Search for new phenomena with multiple charged leptons in proton-proton collisions at ( $\sqrt{s}=13$ ) (,text {TeV}). <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	2
508	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> , <b>2017</b> , 77, 636	4.2	20
507	Search for high-mass $Z$ resonances in $e+e$ and $q+q$ final states in proton-proton collisions at ( $\sqrt{s}=8$ ) and 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
506	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying leptons and two jets in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	18
505	Search for CP violation in ( $\overline{t}$ ) production and decay in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
504	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> , <b>2017</b> , 77, 746	4.2	8
503	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> , <b>2017</b> , 2017, 1	5.4	7
502	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> , <b>2017</b> , 2017, 1	5.4	10
501	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> , <b>2017</b> , 2017, 1	5.4	77
500	Particle-flow reconstruction and global event description with the CMS detector. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P10003-P10003	1	234
499	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> , <b>2017</b> , 2017, 1	5.4	16
498	Search for Narrow Resonances in Dijet Final States at $\sqrt{s}=8$ TeV with the Novel CMS Technique of Data Scouting. <i>Physical Review Letters</i> , <b>2016</b> , 117, 031802	7.4	57
497	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 325	4.2	13
496	Search for new physics in same-sign dilepton events in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 439	4.2	34
495	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s}=8$ and 13 TeV. <i>Physical Review Letters</i> , <b>2016</b> , 117, 051802	7.4	61
494	Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $s=7$ and 8 TeV. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	2
493	Search for vectorlike charge $2/3$ T quarks in proton-proton collisions at ( $s=8$ ) TeV. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	66
492	Search for single production of scalar leptoquarks in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	21

491	Measurements of $t\bar{t}$ spin correlations and top quark polarization using dilepton final states in pp collisions at $s=8$ TeV. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	21
490	Measurement of the top quark mass using charged particles in pp collisions at $s=8$ TeV. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	10
489	Search for supersymmetry in pp collisions at $s=8$ TeV in final states with boosted W bosons and b jets using razor variables. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	10
488	Search for pair-produced vectorlike B quarks in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	35
487	Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2016</b> , 116, 172302	7.4	90
486	Search for resonant $t\bar{t}$ production in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	48
485	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	39
484	Measurement of the charge asymmetry in top quark pair production in pp collisions at $s=8$ TeV using a template method. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	11
483	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	18
482	Measurement of the top quark mass using proton-proton data at $(s)=7$ and 8 TeV. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	69
481	Study of B Meson Production in p+Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV Using Exclusive Hadronic Decays. <i>Physical Review Letters</i> , <b>2016</b> , 116, 032301	7.4	19
480	Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2016</b> , 116, 052002	7.4	28
479	Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 479-500	4.2	6
478	Combined search for anomalous pseudoscalar HVV couplings in $VH(H\rightarrow b\bar{b})$ production and $H\rightarrow VV$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 672-696	4.2	28
477	Measurements of $t\bar{t}$ charge asymmetry using dilepton final states in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 760, 365-386	4.2	9
476	Measurement of dijet azimuthal decorrelation in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 536	4.2	6
475	Measurement of inclusive jet production and nuclear modifications in pPb collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 372	4.2	24
474	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> , <b>2016</b> , 2016, 1	5.4	15

473	Measurement of the $(\overline{\text{t}}\text{t})$ production cross section in the $e\bar{e}$ channel in proton-proton collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	30
472	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> , <b>2016</b> , 2016, 1	5-4	16
471	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> , <b>2016</b> , 2016, 1	5-4	9
470	Search for supersymmetry in pp collisions at $(\sqrt{s}=13)$ TeV in the single-lepton final state using the sum of masses of large-radius jets. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	7
469	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> , <b>2016</b> , 76, 460	4-2	14
468	Measurement of the mass of the top quark in decays with a $J/\psi$ meson in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	5
467	Measurement of the inclusive jet cross section in pp collisions at $(\sqrt{s} = 2.76, \text{text {TeV}})$ . <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4-2	17
466	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> , <b>2016</b> , 76, 379	4-2	20
465	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> , <b>2016</b> , 76, 469	4-2	37
464	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> , <b>2016</b> , 2016, 1	5-4	18
463	Search for $W^? \rightarrow b\bar{b}$ in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	2
462	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> , <b>2016</b> , 2016, 1	5-4	21
461	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> , <b>2016</b> , 2016, 1	5-4	2
460	Search for excited leptons in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	10
459	Measurement of the ratio $B(\text{Bs}0 \rightarrow \gamma/\ell\ell(980))/B(\text{Bs}0 \rightarrow \gamma/\ell\ell(1020))$ in pp collisions at $s=7\sqrt{\text{TeV}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 756, 84-102	4-2	4
458	Search for neutral MSSM Higgs bosons decaying to $\mu\mu$ in pp collisions at $s=7\sqrt{\text{TeV}}$ and $8\sqrt{\text{TeV}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 752, 221-246	4-2	11
457	Search for a Higgs boson decaying into $\tau\tau$ with low dilepton mass in pp collisions at $s=8\sqrt{\text{TeV}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 753, 341-362	4-2	13
456	Search for $W^?$ decaying to tau lepton and neutrino in proton-proton collisions at $s=8\sqrt{\text{TeV}}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 755, 196-216	4-2	14

455	Search for a low-mass pseudoscalar Higgs boson produced in association with a $b\bar{b}$ pair in pp collisions at $\sqrt{s}=8\text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 758, 296-320	4.2	20
454	Measurement of spin correlations in $t\bar{t}$ production using the matrix element method in the muon+jets final state in pp collisions at $\sqrt{s}=8\text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 758, 321-346	4.2	10
453	Study of Z boson production in pPb collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 36-57	4.2	35
452	A search for pair production of new light bosons decaying into muons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 752, 146-168	4.2	51
451	Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 754, 59-80	4.2	22
450	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 758, 152-180	4.2	30
449	Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse energy in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 9-35	4.2	12
448	Measurement of the $[ \text{Formula: see text} ]$ production cross section in the all-jets final state in pp collisions at $[ \text{Formula: see text} ] [ \text{Formula: see text} ]$ . <i>European Physical Journal C</i> , <b>2016</b> , 76, 128	4.2	21
447	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , <b>2016</b> , 76, 155	4.2	250
446	Search for massive WH resonances decaying into the $[ \text{Formula: see text} ]$ final state at $[ \text{Formula: see text} ] [ \text{Formula: see text} ]$ . <i>European Physical Journal C</i> , <b>2016</b> , 76, 237	4.2	19
445	Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 755, 102-124	4.2	42
444	Measurement of the CP-violating weak phase $\phi_s$ and the decay width difference $\Delta\Gamma$ using the $B_s^0 \rightarrow \rho^0(1020)$ decay channel in pp collisions at $\sqrt{s}=8\text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 757, 97-120	4.2	26
443	Inclusive and differential measurements of the $t\bar{t}$ charge asymmetry in pp collisions at $\sqrt{s}=8\text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 757, 154-179	4.2	15
442	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 $(\sqrt{s}=8)\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	14
441	Measurement of top quark polarisation in t-channel single top quark production. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	7
440	Search for heavy Majorana neutrinos in $e\bar{e}\mu^+\mu^+$ jets and $e\mu^+\mu^+\mu^+$ jets events in proton-proton collisions at $(\sqrt{s}=8)\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	28
439	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s}=13\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2016</b> , 116, 071801	7.4	96
438	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tau$ leptons in pp collisions at $(\sqrt{s}=8)\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16

437	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> , <b>2016</b> , 76, 13	4.2	35
436	Searches for a heavy scalar boson H decaying to a pair of 125 GeV Higgs bosons hh or for a heavy pseudoscalar boson A decaying to Zh, in the final states with h. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 755, 217-244	4.2	46
435	Search for exotic decays of a Higgs boson into undetectable particles and one or more photons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 753, 363-388	4.2	9
434	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at ( $\sqrt{s_{\mathrm{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
433	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 451	4.2	36
432	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> , <b>2016</b> , 76, 401	4.2	38
431	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. <i>European Physical Journal C</i> , <b>2016</b> , 76, 371	4.2	25
430	Search for long-lived charged particles in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	55
429	Measurement of the W boson helicity fractions in the decays of top quark pairs to lepton + jets final states produced in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 512-534	4.2	17
428	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> , <b>2016</b> , 76, 317	4.2	9
427	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	44
426	Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at 7 TeV. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	3
425	Measurement of the ZZ production cross section and Z $\rightarrow$ $\tau^+\tau^-$ branching fraction in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 763, 280-303	4.2	22
424	Searches for R-parity-violating supersymmetry in pp collisions at $s=8$ TeV in final states with 0 $\tau$ leptons. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	7
423	Measurement of the integrated and differential $t\bar{t}$ production cross sections for high-pT top quarks in pp collisions at $s=8$ TeV. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	21
422	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 757, 6-31	4.2	5
421	Angular analysis of the decay $B^0 \rightarrow K^* \mu^+ \mu^-$ from pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 753, 424-448	4.2	59
420	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> , <b>2016</b> , 2016, 1	5.4	21

419	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> , <b>2016</b> , 2016, 1	5-4	20
418	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> , <b>2016</b> , 2016, 1	5-4	6
417	Search for neutral resonances decaying into a Z boson and a pair of b jets or $\tau$ leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 369-394	4-2	33
416	Measurement of the $Z\tau\tau$ production cross section in pp collisions at $\sqrt{s}=8$ TeV and limits on anomalous $ZZ\tau\tau$ and $Z\tau\tau$ trilinear gauge boson couplings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 760, 448-468	4-2	10
415	$\tau$ (nS) polarizations versus particle multiplicity in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 761, 31-52	4-2	5
414	Measurement of the inelastic cross section in proton-lead collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 759, 641-662	4-2	10
413	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 760, 178-201	4-2	4
412	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> , <b>2016</b> , 2016, 1	5-4	10
411	Search for new resonances decaying via WZ to leptons in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 740, 83-104	4-2	47
410	Measurement of the pp- $ZZ$ production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 740, 250-272	4-2	38
409	Differential cross section measurements for the production of a W boson in association with jets in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 741, 12-37	4-2	37
408	Measurement of the production cross section ratio $\sigma(B2(1P))/\sigma(B1(1P))$ in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 743, 383-402	4-2	14
407	Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 743, 503-525	4-2	17
406	Search for a standard model-like Higgs boson in the $\tau\tau$ and $e+e$ decay channels at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 744, 184-207	4-2	59
405	Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 745, 5-28	4-2	20
404	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 746, 79-99	4-2	21
403	Measurement of the cross section ratio $\sigma(t\bar{t}b\bar{b})/\sigma(t\bar{t}j\bar{j})$ in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 746, 132-153	4-2	15
402	Measurements of jet multiplicity and differential production cross sections of Z+jets events in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , <b>2015</b> , 91,	4-9	24

401	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	83
400	Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	62
399	Search for monotop signatures in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2015</b> , 114, 101801	7.4	25
398	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> , <b>2015</b> , 75, 251	4.2	55
397	Search for displaced supersymmetry in events with an electron and a muon with large impact parameters. <i>Physical Review Letters</i> , <b>2015</b> , 114, 061801	7.4	39
396	Measurement of $J/\psi$ and $\Upsilon(2S)$ Prompt Double-Differential Cross Sections in pp Collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2015</b> , 114, 191802	7.4	41
395	Study of vector boson scattering and search for new physics in events with two same-sign leptons and two jets. <i>Physical Review Letters</i> , <b>2015</b> , 114, 051801	7.4	62
394	Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	152
393	Search for supersymmetry using razor variables in events with b-tagged jets in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	41
392	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> , <b>2015</b> , 75, 66	4.2	21
391	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> , <b>2015</b> , 75, 147	4.2	50
390	Search for decays of stopped long-lived particles produced in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 151	4.2	33
389	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> , <b>2015</b> , 2015, 1	5.4	19
388	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow J/\psi \mu^+ \mu^-$ and $B \rightarrow J/\psi \mu^+ \mu^-$ and $(\mathcal{B}(\mathcal{B} \rightarrow \mu^+ \mu^-)_{\mathcal{C}}^{\text{pm}}) / (\mathcal{B}(\mathcal{B} \rightarrow \mu^+ \mu^-)_{\mathcal{C}}^{\text{mp}})$ in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	13
387	Search for disappearing tracks in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	35
386	Study of Z production in PbPb and pp collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ ) TeV in the dimuon and dielectron decay channels. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	18
385	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> , <b>2015</b> , 2015, 1	5.4	69
384	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> , <b>2015</b> , 2015, 1	5.4	6

383	Pseudorapidity distribution of charged hadrons in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 751, 143-163	4.2	34
382	Search for narrow high-mass resonances in proton-proton collisions at $s=8$ TeV decaying to a Z and a Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 748, 255-277	4.2	30
381	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> , <b>2015</b> , 75, 235	4.2	250
380	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> , <b>2015</b> , 75, 288	4.2	37
379	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> , <b>2015</b> , 75, 237	4.2	48
378	Study of W boson production in pPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 750, 565-586	4.2	36
377	Measurements of the $\gamma(1S)$ , $\gamma(2S)$ , and $\gamma(3S)$ differential cross sections in pp collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 749, 14-34	4.2	27
376	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> , <b>2015</b> , 75, 302	4.2	4
375	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> , <b>2015</b> , 75, 325	4.2	24
374	Angular coefficients of Z bosons produced in pp collisions at $s=8$ TeV and decaying to $\mu\mu$ as a function of transverse momentum and rapidity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 750, 154-175	4.2	42
373	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 749, 560-582	4.2	78
372	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and pPb collisions. <i>Physical Review C</i> , <b>2015</b> , 92,	2.7	104
371	Search for the standard model Higgs boson produced through vector boson fusion and decaying to $b\bar{b}$ . <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	37
370	Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at $s=8$ TeV. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	5
369	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	61
368	Study of final-state radiation in decays of Z bosons produced in pp collisions at 7 TeV. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	4
367	Measurement of diffractive dissociation cross sections in pp collisions at $s=7$ TeV. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	29
366	Constraints on the spin-parity and anomalous HVV couplings of the Higgs boson in proton collisions at 7 and 8 TeV. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	142



365	Search for supersymmetry with photons in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	5
364	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	37
363	Evidence for Collective Multiparticle Correlations in p-Pb Collisions. <i>Physical Review Letters</i> , <b>2015</b> , 115, 012301	7.4	145
362	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in $\tau\tau b\bar{b}$ ? final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 748, 221-243	4.2	48
361	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> , <b>2015</b> , 2015, 1	5.4	22
360	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	19
359	Search for lepton-flavour-violating decays of the Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 749, 337-362	4.2	175
358	Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 747, 98-119	4.2	62
357	Search for heavy Majorana neutrinos in $\tau\tau +$ jets events in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 748, 144-166	4.2	58
356	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> , <b>2015</b> , 2015, 1	5.4	26
355	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> , <b>2015</b> , 2015, 1	5.4	33
354	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> , <b>2015</b> , 2015, 1	5.4	17
353	Search for a charged Higgs boson in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	61
352	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> , <b>2015</b> , 2015, 1	5.4	11
351	Search for a light charged Higgs boson decaying to $(\overline{\text{c}}\text{c})$ in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-37	5.4	33
350	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> , <b>2015</b> , 2015, 1	5.4	16
349	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> , <b>2015</b> , 2015, 1	5.4	
348	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> , <b>2015</b> , 2015, 1	5.4	73

347	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 750, 494-519	4.2	113
346	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> , <b>2015</b> , 75, 212	4.2	399
345	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> , <b>2015</b> , 2015, 1	5.4	7
344	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> , <b>2015</b> , 75, 186	4.2	41
343	Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 542	4.2	98
342	Measurements of the [Formula: see text][Formula: see text] production cross sections in the [Formula: see text] channel in proton-proton collisions at [Formula: see text] and [Formula: see text] and combined constraints on triple gauge couplings. <i>European Physical Journal C</i> , <b>2015</b> , 75, 511	4.2	25
341	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 749, 187-209	4.2	36
340	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	18
339	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 742, 200-224	4.2	64
338	Measurement of the $(\overline{t}t)$ production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8\text{TeV}$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	43
337	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $(\sqrt{s_{NN}}) = 2.76\text{TeV}$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	60
336	Measurement of associated $W + \text{charm}$ production in pp collisions at $(\sqrt{s}) = 7\text{TeV}$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	37
335	Search for new physics in events with same-sign dileptons and jets in pp collisions at $(\sqrt{s}) = 8\text{TeV}$ . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	38
334	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=8\text{TeV}$ in dilepton final states containing one lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 739, 23-43	4.2	17
333	Measurement of the ratio $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ in pp collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 33-57	4.2	41
332	Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 64-85	4.2	116
331	Search for top-squark pairs decaying into Higgs or Z bosons in pp collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 736, 371-397	4.2	57
330	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02$ (,text {TeV}). <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	67

329	Measurement of WZ and ZZ production in pp collisions at [Formula: see text] in final states with b-tagged jets. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2973	4.2	16
328	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2980	4.2	131
327	Measurement of jet multiplicity distributions in [Formula: see text] production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3014	4.2	11
326	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> , <b>2014</b> , 2014, 1	5.4	61
325	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> , <b>2014</b> , 2014, 1	5.4	42
324	. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
323	Evidence for the 125 GeV Higgs boson decaying to a pair of $\ell$ leptons. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	101
322	Search for $W \rightarrow \ell b$ decays in the lepton + jets final state in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	23
321	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> , <b>2014</b> , 2014, 1	5.4	15
320	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> , <b>2014</b> , 2014, 1	5.4	81
319	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> , <b>2014</b> , 2014, 1	5.4	48
318	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> , <b>2014</b> , 2014, 1	5.4	21
317	Search for pair production of excited top quarks in the lepton + jets final state. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	3
316	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> , <b>2014</b> , 2014, 1	5.4	74
315	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> , <b>2014</b> , 2014, 1	5.4	59
314	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> , <b>2014</b> , 74, 2758	4.2	21
313	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> , <b>2014</b> , 74, 2847	4.2	71
312	Probing color coherence effects in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2901	4.2	13

311	Inclusive search for a vector-like T quark with charge . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 729, 149-171	4.2	103
310	Modification of jet shapes in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 730, 243-263	4.2	124
309	Search for baryon number violation in top-quark decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 731, 173-196	4.2	9
308	Observation of the associated production of a single top quark and a W boson in pp collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physical Review Letters</i> , <b>2014</b> , 112, 231802	7.4	62
307	Observation of a peaking structure in the $J/\psi$ mass spectrum from $B\rightarrow J/\psi K$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 734, 261-281	4.2	83
306	Search for supersymmetry in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 733, 328-353	4.2	50
305	Measurement of prompt $(\chi^0_S)$ to $J/\psi$ yield ratios in Pb-Pb and p-p collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$ . <i>Physical Review Letters</i> , <b>2014</b> , 113, 262301	7.4	38
304	Searches for heavy Higgs bosons in two-Higgs-doublet models and for $t\rightarrow h$ decay using multilepton and diphoton final states in pp collisions at 8 TeV. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	43
303	Search for supersymmetry with razor variables in pp collisions at $\sqrt{s}=7\text{TeV}$ . <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	11
302	Searches for electroweak neutralino and chargino production in channels with Higgs, Z, and W bosons in pp collisions at 8 TeV. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	62
301	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> , <b>2014</b> , 74, 3149	4.2	149
300	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> , <b>2014</b> , 74, 3060	4.2	29
299	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> , <b>2014</b> , 74, 3129	4.2	29
298	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	70
297	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at ( $\sqrt{s}=8\text{TeV}$ ) by the CMS and TOTEM experiments. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	37
296	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> , <b>2014</b> , 74, 3036	4.2	183
295	Measurement of prompt $J/\psi$ pair production in pp collisions at ( $\sqrt{s}=7\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	41
294	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s}=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 735, 204-225	4.2	19

293	Search for excited quarks in the $n$ -jet final state in proton-proton collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 738, 274-293	4.2	21
292	Search for pair production of third-generation scalar leptoquarks and top squarks in proton-proton collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 739, 229-249	4.2	56
291	Measurement of jet fragmentation in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$ . <i>Physical Review C</i> , <b>2014</b> , 90,	2.7	89
290	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$ . <i>Physical Review C</i> , <b>2014</b> , 89,	2.7	109
289	Search for top squark and Higgsino production using diphoton Higgs boson decays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 161802	7.4	38
288	Search for anomalous production of $n$ -jet events with three or more leptons in pp collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	64
287	Measurement of inclusive W and Z boson production cross sections in pp collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physical Review Letters</i> , <b>2014</b> , 112, 191802	7.4	54
286	Measurements of tt spin correlations and top-quark polarization using dilepton final states in pp collisions at $\sqrt{s}=7\text{TeV}$ . <i>Physical Review Letters</i> , <b>2014</b> , 112, 182001	7.4	49
285	Search for top-quark partners with charge 5/3 in the same-sign dilepton final state. <i>Physical Review Letters</i> , <b>2014</b> , 112, 171801	7.4	58
284	Search for jet extinction in the inclusive jet-pT spectrum from proton-proton collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	5
283	Measurement of the W and Z inclusive cross sections in pp collisions at $\sqrt{s}=7\text{TeV}$ and limits on anomalous triple gauge boson couplings. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	28
282	Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	145
281	Search for flavor-changing neutral currents in top-quark decays $t \rightarrow Zq$ in pp collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physical Review Letters</i> , <b>2014</b> , 112, 171802	7.4	46
280	Measurement of the muon charge asymmetry in inclusive pp-W+X production at $\sqrt{s}=7\text{TeV}$ and an improved determination of light parton distribution functions. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	63
279	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3076	4.2	239
278	Evidence of b-jet quenching in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$ . <i>Physical Review Letters</i> , <b>2014</b> , 113, 132301	7.4	62
277	Search for WW and WZ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	24
276	Measurement of the ratio of inclusive jet cross sections using the anti-kT algorithm with radius parameters $R=0.5$ and $0.7$ in pp collisions at $\sqrt{s}=7\text{TeV}$ . <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	36

275	Measurement of four-jet production in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	23
274	Measurement of the properties of a Higgs boson in the four-lepton final state. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	260
273	Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	45
272	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> , <b>2014</b> , 2014, 1	5.4	3
271	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> , <b>2014</b> , 2014, 1	5.4	15
270	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	32
269	Searches for light- and heavy-flavour three-jet resonances in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 730, 193-214	4.2	35
268	Determination of the top-quark pole mass and strong coupling constant from the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 728, 496-517	4.2	64
267	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	144
266	Measurement of the ( $\overline{t}t$ ) production cross section in the dilepton channel in pp collisions at ( $\sqrt{s}$ ) = 8 TeV <b>2014</b> , 2014, 1		3
265	Search for the associated production of the Higgs boson with a top-quark pair <b>2014</b> , 2014, 1		6
264	Search for microscopic black holes in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	38
263	Measurement of the ( $\Lambda_{\text{b}}^0$ ) lifetime in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	14
262	Searches for long-lived charged particles in pp collisions at ( $\sqrt{s}$ ) =7 and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	96
261	Study of exclusive two-photon production of W+W in pp collisions at ( $\sqrt{s}=7$ ) TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	56
260	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> , <b>2013</b> , 2013, 1	5.4	261
259	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> , <b>2013</b> , 2013, 1	5.4	35
258	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	39

257	Measurement of the $(\overline{\text{t}}\text{t})$ production cross section in the all-jet final state in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	14
256	Measurement of the X(3872) production cross section via decays to $J/\psi \pi^0$ in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	44
255	Study of the underlying event at forward rapidity in pp collisions at $(\sqrt{s}=0.9, 2.76, \text{and } 7 \text{ TeV})$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	39
254	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> , <b>2013</b> , 2013, 1	5-4	15
253	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> , <b>2013</b> , 2013, 1	5-4	33
252	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	30
251	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	16
250	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> , <b>2013</b> , 73, 2404	4-2	15
249	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> , <b>2013</b> , 73, 2469	4-2	49
248	Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 1252-1272	4-2	16
247	Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 719, 42-61	4-2	20
246	Angular analysis and branching fraction measurement of the decay $B^0 \rightarrow K^* \mu^+ \mu^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 727, 77-100	4-2	35
245	Search for a new bottomonium state decaying to $\gamma \mu^+ \mu^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 727, 57-76	4-2	31
244	Measurement of the $W^+W^-$ and ZZ production cross sections in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 721, 190-211	4-2	72
243	Measurement of neutral strange particle production in the underlying event in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , <b>2013</b> , 88,	4-9	5
242	Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , <b>2013</b> , 87,	4-9	20
241	Measurement of the production cross section for $(\text{Z}\gamma \rightarrow \nu \overline{\nu})$ 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> , <b>2013</b> , 2013, 1	5-4	12
240	Measurement of the W-boson helicity in top-quark decays from $(\overline{\text{t}}\text{t})$ production in lepton+jets events in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	25

239	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> , <b>2013</b> , 73, 2568	4.2	82
238	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> , <b>2013</b> , 2013, 1	5.4	10
237	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> , <b>2013</b> , 73, 2494	4.2	37
236	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> , <b>2013</b> , 73, 2493	4.2	10
235	Measurement of the $(\bar{t}t)$ production cross section in the $\mu$ jets channel in pp collisions at ( $\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	21
234	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> , <b>2013</b> , 73, 2674	4.2	24
233	Search for top-squark pair production in the single-lepton final state in pp collisions at ( $\sqrt{s}=8$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	162
232	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> , <b>2013</b> , 2013, 1	5.4	43
231	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> , <b>2013</b> , 2013, 1	5.4	26
230	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at ( $\sqrt{s} = 7$ TeV) and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	50
229	Measurement of the $W+W$ cross section in pp collisions at ( $\sqrt{s} = 7$ TeV) and limits on anomalous $WW$ and $WWZ$ couplings. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	56
228	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> , <b>2013</b> , 2013, 1	5.4	37
227	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> , <b>2013</b> , 2013, 1	5.4	39
226	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 $\beta$ T. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	29
225	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> , <b>2013</b> , 2013, 1	5.4	12
224	Measurement of the inelastic proton-proton cross section at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 722, 5-27	4.2	74
223	Event shapes and azimuthal correlations in Z+jets events in pp collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 722, 238-261	4.2	30
222	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 720, 83-104	4.2	42



221	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 1208-1228	4.2	9
220	Searches for Higgs bosons in pp collisions at $\sqrt{s}=7$ and 8 TeV in the context of four-generation and fermiophobic models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 725, 36-59	4.2	13
219	Search for heavy narrow dilepton resonances in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 720, 63-82	4.2	78
218	Search for a . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 1229-1251	4.2	31
217	Search for anomalous production of highly boosted Z bosons decaying to $\mu\mu$ in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 722, 28-47	4.2	6
216	Measurement of the prompt . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 727, 381-402	4.2	83
215	Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 725, 243-270	4.2	50
214	Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 726, 564-586	4.2	26
213	Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 724, 213-240	4.2	315
212	Search for excited leptons in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 720, 309-329	4.2	8
211	Search for a Higgs boson decaying into a Z and a photon in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 726, 587-609	4.2	73
210	Search for a Higgs boson decaying into a b-quark pair and produced in association with b quarks in proton-proton collisions at 7 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 722, 207-232	4.2	39
209	Search for long-lived particles in events with photons and missing energy in proton-proton collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 722, 273-294	4.2	28
208	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 727, 101-125	4.2	44
207	Study of the mass and spin-parity of the Higgs boson candidate via its decays to Z boson pairs. <i>Physical Review Letters</i> , <b>2013</b> , 110, 081803	7.4	235
206	Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 723, 280-301	4.2	12
205	Forward-Backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 752-772	4.2	24
204	Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 773-794	4.2	109

203	Observation of long-range, near-side angular correlations in pPb collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 795-814	4.2	452
202	Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2013</b> , 718, 815-840	4.2	20
201	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> , <b>2013</b> , 73, 2283	4.2	45
200	Measurement of differential top-quark-pair production cross sections in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ . <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	102
199	Search for narrow resonances using the dijet mass spectrum in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	63
198	Search for contact interactions in $\mu\mu$ events in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	5
197	Measurement of the $B_s(0) \rightarrow \mu\mu$ branching fraction and search for $B(0) \rightarrow \mu\mu$ with the CMS experiment. <i>Physical Review Letters</i> , <b>2013</b> , 111, 101804	7.4	220
196	Searches for new physics using the $t\bar{t}$ invariant mass distribution in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2013</b> , 111, 211804	7.4	76
195	Interpretation of searches for supersymmetry with simplified models. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	52
194	Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2013</b> , 111, 081802	7.4	41
193	Search for top squarks in R-parity-violating supersymmetry using three or more leptons and b-tagged jets. <i>Physical Review Letters</i> , <b>2013</b> , 111, 221801	7.4	35
192	Search for $Z'$ resonances decaying to $t\bar{t}$ in dilepton+jets final states in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	33
191	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s}=7$ TeV with the CMS detector. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	85
190	Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	10
189	Rapidity distributions in exclusive Z+jet and $\mu$ jet events in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	11
188	Search for fractionally charged particles in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	32
187	Measurement of the $\mu S$ , $\mu S$ , and $\mu S$ polarizations in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2013</b> , 110, 081802	7.4	71
186	Measurement of the azimuthal anisotropy of neutral pions in Pb-Pb collisions at $\sqrt{s}(\text{NN}) = 2.76$ TeV. <i>Physical Review Letters</i> , <b>2013</b> , 110, 042301	7.4	17

185	Evidence for associated production of a single top quark and W boson in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2013</b> , 110, 022003	7.4	54
184	Search for pair-produced dijet resonances in four-jet final states in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , <b>2013</b> , 110, 141802	7.4	41
183	Search for contact interactions using the inclusive jet pT spectrum in pp collisions at $s=7$ TeV. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	10
182	Search for pair production of third-generation leptoquarks and top squarks in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , <b>2013</b> , 110, 081801	7.4	40
181	Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	13
180	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $s_{NN}=2.76$ TeV. <i>Physical Review C</i> , <b>2013</b> , 87,	2.7	148
179	Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse energy in proton-proton collisions at $s=7$ TeV. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	9
178	Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2013</b> , 110, 172002	7.4	34
177	Search for new physics in events with same-sign dileptons and b jets in pp collisions at ( $\sqrt{s}=8$ ) TeV <b>2013</b> , 2013, 1		2
176	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 709, 28-49	4.2	59
175	Combined results of searches for the standard model Higgs boson in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 710, 26-48	4.2	437
174	Search for the standard model Higgs boson decaying to . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 710, 91-113	4.2	83
173	Measurement of isolated photon production in pp and PbPb collisions at $s_{NN}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 710, 256-277	4.2	111
172	Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 710, 284-306	4.2	57
171	Search for the standard model Higgs boson decaying into two photons in pp collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 710, 403-425	4.2	138
170	Search for large extra dimensions in dimuon and dielectron events in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 711, 15-34	4.2	16
169	Jet momentum dependence of jet quenching in PbPb collisions at $s_{NN}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 712, 176-197	4.2	144
168	Study of high-p T charged particle suppression in PbPb compared to pp collisions at ( $\sqrt{s}_{\mathit{NN}}=2.76\sim\mathit{TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	316

167	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at ( $\sqrt{s_{NN}} = 2.76$ mTeV). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	158
166	Jet production rates in association with W and Z bosons in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	37
165	Exclusive $\bar{t}t$ production in proton-proton collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	45
164	Measurement of the production cross section for pairs of isolated photons in pp collisions at ( $\sqrt{s} = 7$ ; TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	20
163	Inclusive b-jet production in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	30
162	Search for quark compositeness in dijet angular distributions from pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	12
161	Suppression of non-prompt J/ $\psi$ prompt J/ $\psi$ and ( $\Upsilon$ )(1S) in PbPb collisions at ( $\sqrt{s_{NN}} = 2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	184
160	Search for heavy bottom-like quarks in 4.9 fb $^{-1}$ of pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	44
159	Measurement of the cross section for production of ( $\bar{b} X$ ) decaying to muons in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	3
158	Measurement of the Z/ $\bar{b}$ + b-jet cross section in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	24
157	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at ( $\sqrt{s} = 7$ ; TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	27
156	Search for anomalous production of multilepton events in pp collisions at ( $\sqrt{s} = 7$ ; TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	65
155	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> , <b>2012</b> , 2012, 1	5.4	101
154	Search for leptonic decays of W $^{\pm}$ bosons in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	43
153	Search for stopped long-lived particles produced in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	17
152	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	24
151	Measurement of the underlying event activity in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV with the novel jet-area/median approach. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	11
150	Search for anomalous ( $\bar{t} t$ ) production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	57

149	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> , <b>2012</b> , 2012, 1	5-4	155
148	Search for a fermiophobic Higgs boson in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	13
147	Search for supersymmetry in hadronic final states using M T2 in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	92
146	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at ( $\sqrt{s_{\mathrm{NN}}} = 2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	73
145	Measurement of the ( $\mathrm{t}\overline{\mathrm{t}}$ ) production cross section in the dilepton channel in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	64
144	Search for exclusive or semi-exclusive $\Upsilon$ production and observation of exclusive and semi-exclusive $e+e\Upsilon$ production in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
143	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	6
142	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> , <b>2012</b> , 2012, 1	5-4	41
141	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> , <b>2012</b> , 2012, 1	5-4	10
140	Search for resonant ( $\mathrm{t}\overline{\mathrm{t}}$ ) production in lepton+jets events in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	25
139	Observation of Z decays to four leptons with the CMS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	30
138	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> , <b>2012</b> , 2012, 1	5-4	70
137	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at ( $\sqrt{s}=7$ ;TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	12
136	Measurement of the top-quark mass in ( $\mathrm{t}\overline{\mathrm{t}}$ ) events with lepton+jets final states in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	30
135	Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 716, 30-61	4-2	5161
134	Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=7$ TeV in dilepton final states containing a $\Upsilon$ <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	31
133	Search for heavy neutrinos and W(R) bosons with right-handed couplings in a left-right symmetric model in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2012</b> , 109, 261802	7-4	42
132	Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at ( $s=7$ ) TeV. <i>Physical Review D</i> , <b>2012</b> , 85,	4-9	77

131	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $s=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 68-90	4.2	111
130	Measurement of the $\bar{B}$ cross section and the $\Gamma_{\bar{B}}$ to $\bar{B}$ ratio with $J/\psi$ decays in pp collisions at $s=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 714, 136-137	4.2	30
129	Search for heavy long-lived charged particles in pp collisions at $s=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 713, 408-433	4.2	54
128	Search for narrow resonances in dilepton mass spectra in pp collisions at $s=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 714, 158-179	4.2	59
127	Study of W boson production in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 715, 66-87	4.2	76
126	Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $s=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 716, 103-121	4.2	42
125	Search for high-mass resonances decaying into dilepton pairs in pp collisions at $s=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 716, 82-102	4.2	26
124	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $(\sqrt{s} = 7\text{TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	30
123	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $(\sqrt{s} = 0.9, 2.76, 7\text{TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	133
122	A search for a doubly-charged Higgs boson in pp collisions at $(\sqrt{s} = 7\text{TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	111
121	Measurement of the top-quark mass in $(\text{t}\bar{\text{t}})$ events with dilepton final states in pp collisions at $(\sqrt{s}=7\text{TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	36
120	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $(\sqrt{s} = 7\text{TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	17
119	Measurement of the relative prompt production rate of $\tau$ and $\mu$ in pp collisions at $(\sqrt{s}=7\text{TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 2251	4.2	46
118	Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at $s=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 716, 260-284	4.2	23
117	Search for heavy Majorana neutrinos in $\tau\tau$ +jets and $e\tau$ +jets events in pp collisions at $s=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 717, 109-128	4.2	41
116	Inclusive and differential measurements of the $\tau\tau$ charge asymmetry in proton-proton collisions at $s=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 717, 129-130	4.2	57
115	Search for charge-asymmetric production of $\tau$ in pp collisions at $s=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 717, 351-370	4.2	13
114	Search for pair produced fourth-generation up-type quarks in pp collisions at $s=7\text{TeV}$ with a lepton in the final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 718, 307-328	4.2	33

113	Search for three-jet resonances in pp collisions at $\sqrt{s}=7\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 718, 329-347	4.2	24
112	Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 718, 348-368	4.2	33
111	Search for signatures of extra dimensions in the diphoton mass spectrum at the large hadron collider. <i>Physical Review Letters</i> , <b>2012</b> , 108, 111801	7.4	53
110	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	11
109	J/ $\psi$ and $\Upsilon$ (S) production in pp collisions at ( $\sqrt{s}=7\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	69
108	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 4\ell$ channel in pp collisions at ( $\sqrt{s}=7\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	24
107	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\ell 2\tau$ decay channel in pp collisions at ( $\sqrt{s}=7\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	11
106	Search for ( $B_{\text{u}}^0 \rightarrow \tau^+ \tau^-$ ) and $B^0 \rightarrow \tau^+ \tau^-$ decays. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	52
105	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q(\overline{q}) \mu\mu$ in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	21
104	Search for microscopic black holes in pp collisions at ( $\sqrt{s}=7\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	34
103	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	13
102	Measurement of the mass difference between top and antitop quarks. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	13
101	Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	28
100	Measurement of the pseudorapidity and centrality dependence of the transverse energy density in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. <i>Physical Review Letters</i> , <b>2012</b> , 109, 152303	7.4	55
99	Azimuthal anisotropy of charged particles at high transverse momenta in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. <i>Physical Review Letters</i> , <b>2012</b> , 109, 022301	7.4	95
98	Search for a $W'$ or techni- $\tau$ decaying into WZ in pp Collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2012</b> , 109, 141801	7.4	26
97	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2012</b> , 109, 171803	7.4	111
96	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy. <i>Physical Review Letters</i> , <b>2012</b> , 109, 071803	7.4	46

95	Search for the standard model Higgs boson in the decay channel $H \rightarrow ZZ \rightarrow 4\ell$ in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , <b>2012</b> , 108, 111804	7.4	85
94	Search for a light pseudoscalar Higgs boson in the dimuon decay channel in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , <b>2012</b> , 109, 121801	7.4	51
93	Measurement of the electron charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , <b>2012</b> , 109, 111806	7.4	65
92	Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at 7 TeV. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	18
91	Inclusive search for squarks and gluinos in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	40
90	Combined search for the quarks of a sequential fourth generation. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	23
89	Study of the Dijet mass spectrum in pp $\rightarrow W + \text{jets}$ events at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , <b>2012</b> , 109, 251801	7.4	12
88	Search for dark matter and large extra dimensions in pp collisions yielding a photon and missing transverse energy. <i>Physical Review Letters</i> , <b>2012</b> , 108, 261803	7.4	116
87	Observation of sequential $b$ suppression in PbPb collisions. <i>Physical Review Letters</i> , <b>2012</b> , 109, 222301	7.4	172
86	Observation of a new $\Lambda_b$ baryon. <i>Physical Review Letters</i> , <b>2012</b> , 108, 252002	7.4	57
85	Measurement of dijet angular distributions and search for quark compositeness in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 201804	7.4	45
84	Measurement of $W$ and $Z$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 701, 535-555	4.2	38
83	Measurement of the ratio of the 3-jet to 2-jet cross sections in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 702, 336-354	4.2	13
82	Search for first generation scalar leptoquarks in the $pp \rightarrow \ell + \text{jets}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 703, 246-266	4.2	11
81	Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 704, 123-142	4.2	111
80	A search for excited leptons in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 704, 143-162	4.2	8
79	Search for physics beyond the standard model using multilepton signatures in $pp \rightarrow \ell\ell + \text{jets}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 704, 411-433	4.2	28
78	Prompt and non-prompt $J/\psi$ production in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	118



77	Measurement of the ( $\bar{t}t$ ) production cross section in pp collisions at ( $\sqrt{s}=7$ ) TeV using the kinematic properties of events with leptons and jets. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	35
76	Charged particle multiplicities in pp interactions at ( $\sqrt{s} = 0.9$ ), 2.36, and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	89
75	Measurements of inclusive W and Z cross sections in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	104
74	Search for heavy stable charged particles in pp collisions at ( $\sqrt{s} = 7$ ;{text{TeV}}). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	34
73	Inclusive b-hadron production cross section with muons in pp collisions at ( $\sqrt{s} = 7$ ;{text{TeV}}). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	21
72	Measurement of ( $\overline{B}B$ ) angular correlations based on secondary vertex reconstruction at ( $\sqrt{s} = 7$ ;{text{TeV}}). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	27
71	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at ( $\sqrt{s} = 7$ ;{text{TeV}}). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	38
70	Measurement of Bose-Einstein correlations in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	22
69	Strange particle production in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	78
68	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	21
67	Search for resonances in the dilepton mass distribution in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	32
66	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at ( $\sqrt{s} = 7$ ;{text{TeV}}). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	26
65	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	46
64	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	10
63	Measurement of the ( $t\bar{t}$ ) production cross section and the top quark mass in the dilepton channel in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	48
62	Long-range and short-range dihadron angular correlations in central PbPb collisions at ( $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	56
61	Search for light resonances decaying into pairs of muons as a signal of new physics. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	12
60	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	28

59	Search for same-sign top-quark pair production at ( $\sqrt{s} = 7$ ) TeV and limits on flavour changing neutral currents in the top sector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	39
58	Charged particle transverse momentum spectra in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	44
57	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	17
56	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at ( $\sqrt{s_{NN}} = 2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	87
55	Search for new physics with jets and missing transverse momentum in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	46
54	Search for supersymmetry in pp collisions at ( $\sqrt{s} = 7$ ) TeV in events with a single lepton, jets, and missing transverse momentum. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	32
53	Measurement of the underlying event activity at the LHC with ( $\sqrt{s} = 7$ ) TeV and comparison with ( $\sqrt{s} = 0.9$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	70
52	Measurement of the Drell-Yan cross section in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	32
51	Measurement of the inclusive W and Z production cross sections in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	121
50	Measurement of energy flow at large pseudorapidities in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5-4	19
49	Measurement of the $t\bar{t}$ production cross section in pp collisions at 7 TeV in lepton+jets events using b-quark jet identification. <i>Physical Review D</i> , <b>2011</b> , 84,	4-9	44
48	Upsilon production cross section in pp collisions at $s=7$ TeV. <i>Physical Review D</i> , <b>2011</b> , 83,	4-9	77
47	Measurement of the differential cross section for isolated prompt photon production in pp collisions at 7 TeV. <i>Physical Review D</i> , <b>2011</b> , 84,	4-9	45
46	Measurement of the $B_s^0$ Production Cross Section with $B_s^0 \rightarrow \mu^+ \mu^-$ Decays in pp Collisions at $s=7$ TeV. <i>Physical Review D</i> , <b>2011</b> , 84,	4-9	31
45	Observation and studies of jet quenching in PbPb collisions at $s_{NN}=2.76$ TeV. <i>Physical Review C</i> , <b>2011</b> , 84,	2-7	395
44	Indications of suppression of excited $\Lambda$ states in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 052302	7-4	137
43	First measurement of the cross section for top-quark pair production in proton-proton collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 695, 424-443	4-2	79
42	Search for microscopic black hole signatures at the Large Hadron Collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 697, 434-453	4-2	61

41	Search for a heavy gauge boson . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 698, 21-39	4.2	26
40	Search for supersymmetry in pp collisions at 7 TeV in events with jets and missing transverse energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 698, 196-218	4.2	166
39	Measurement of $W+W\bar{\nu}_\tau$ production and search for the Higgs boson in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 699, 25-47	4.2	86
38	First measurement of hadronic event shapes in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 699, 48-67	4.2	35
37	Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 700, 187-206	4.2	44
36	Search for a . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 701, 160-179	4.2	26
35	Search for a heavy bottom-like quark in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 701, 204-223	4.2	28
34	Measurement of the isolated prompt photon production cross section in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 082001	7.4	57
33	Measurement of the $B(+) \rightarrow \mu^+\mu^-$ production cross section in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 112001	7.4	59
32	Search for $B(s)(0) \rightarrow \mu^+\mu^-$ and $B(0) \rightarrow \mu^+\mu^-$ decays in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 191802	7.4	44
31	Search for pair production of second-generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 201803	7.4	13
30	Search for supersymmetry at the LHC in events with jets and missing transverse energy. <i>Physical Review Letters</i> , <b>2011</b> , 107, 221804	7.4	188
29	Study of Z Boson Production in PbPb Collisions at $\sqrt{s}(NN)=2.76$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 212301	7.4	66
28	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in events with two photons and missing transverse energy. <i>Physical Review Letters</i> , <b>2011</b> , 106, 211802	7.4	45
27	Search for pair production of first-generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 201802	7.4	17
26	Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	42
25	Search for new physics with a monojet and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 201804	7.4	49
24	Search for a vectorlike quark with charge $2/3$ in $t+Z$ events from pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 271802	7.4	53

23	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 132001	7.4	94
22	Measurement of the $B_0$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 252001	7.4	48
21	Search for three-jet resonances in pp collisions at square root(s)=7 TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 101801	7.4	34
20	Publisher's Note: Search for Dijet Resonances in 7 TeV pp Collisions at CMS [Phys. Rev. Lett. 105, 211801 (2010)]. <i>Physical Review Letters</i> , <b>2011</b> , 106,	7.4	9
19	Search for neutral minimal supersymmetric standard model Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 231801	7.4	63
18	Dijet azimuthal decorrelations in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 122003	7.4	48
17	Measurement of the polarization of W bosons with large transverse momenta in W + jets events at the LHC. <i>Physical Review Letters</i> , <b>2011</b> , 107, 021802	7.4	37
16	Measurement of the t-channel single top quark production cross section in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2011</b> , 107, 091802	7.4	63
15	Search for stopped Gluinos in pp collisions at square root s=7 TeV. <i>Physical Review Letters</i> , <b>2011</b> , 106, 011801	7.4	38
14	Measurement of energy flow at large pseudorapidities in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV <b>2011</b> , 2011, 1		5
13	Search for quark compositeness with the dijet centrality ratio in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , <b>2010</b> , 105, 262001	7.4	35
12	First measurement of Bose-Einstein correlations in proton-proton collisions at $\sqrt{s}=0.9$ and 2.36 TeV at the LHC. <i>Physical Review Letters</i> , <b>2010</b> , 105, 032001	7.4	44
11	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at square root of s = 7 TeV. <i>Physical Review Letters</i> , <b>2010</b> , 105, 022002	7.4	353
10	Search for dijet resonances in 7 TeV pp collisions at CMS. <i>Physical Review Letters</i> , <b>2010</b> , 105, 211801	7.4	116
9	First measurement of the underlying event activity at the LHC with ( $\sqrt{s} = 0.9$ ) TeV. <i>European Physical Journal C</i> , <b>2010</b> , 70, 555-572	4.2	36
8	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , <b>2010</b> , 70, 1165-1192	4.1	99
7	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at ( $\sqrt{s} = 0.9$ ) and 2.36 TeV. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	201
6	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	389

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1	Heavy flavour production and fragmentation. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2001</b> , 27, 1111-1157	2.9	8