

Michele Arneodo

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6123638/michele-arneodo-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

860

papers

26,568

citations

74

h-index

120

g-index

889

ext. papers

30,537

ext. citations

4.8

avg, IF

4.14

L-index

#	Paper	IF	Citations
860	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
859	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	1
858	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 153	4.2	0
857	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	
856	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 290	4.2	0
855	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
854	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
853	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
852	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
851	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
850	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
849	Measurement of the inclusive $\overline{\text{t}}\text{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	
848	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 970	4.2	3
847	Measurements of production cross sections and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2021 , 81, 200	4.2	5
846	Development and validation of HERWIG γ tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021 , 81, 312	4.2	1
845	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at. <i>European Physical Journal C</i> , 2021 , 81, 378	4.2	5
844	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 488	4.2	5

843	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
842	Search for dark matter produced in association with a leptonically decaying boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 13	4.2	7
841	Search for top squark pair production using dilepton final states in collision data collected at. <i>European Physical Journal C</i> , 2021 , 81, 3	4.2	5
840	MUSiC: a model-unspecific search for new physics in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 629	4.2	4
839	Search for a heavy vector resonance decaying to a Υ boson and a Higgs boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 688	4.2	0
838	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 723	4.2	3
837	Measurements of angular distance and momentum ratio distributions in three-jet and + two-jet final states in collisions. <i>European Physical Journal C</i> , 2021 , 81, 852	4.2	0
836	Precision luminosity measurement in proton-proton collisions at in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , 2021 , 81, 800	4.2	7
835	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P10017-P10017	1	23
834	Search for decays of the 125 GeV Higgs boson into a Z boson and a Υ meson. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
833	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
832	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	20
831	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques. <i>Journal of Instrumentation</i> , 2020 , 15, P06005-P06005	1	18
830	Measurements with silicon photomultipliers of dose-rate effects in the radiation damage of plastic scintillator tiles in the CMS hadron endcap calorimeter. <i>Journal of Instrumentation</i> , 2020 , 15, P06009-P06009	1	2
829	Search for supersymmetry in proton-proton collisions at $(\sqrt{s}) = 13$ TeV in events with high-momentum Z bosons and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
828	Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
827	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> , 2020 , 102,	4.9	4
826	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8

825	Running of the top quark mass from proton-proton collisions at $s=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135263	4.2	9
824	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> , 2020 , 805, 135448	4.2	1
823	Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $(\sqrt{s}) = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
822	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> , 2020 , 806, 135502	4.2	14
821	Search for new neutral Higgs bosons through the $(\text{H}) \rightarrow \text{ZA} \rightarrow \{\ell\}^+ \{\ell\}^- \overline{\text{b}} \text{b}$ process in pp collisions at $(\sqrt{s}) = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
820	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 189	4.2	3
819	Multiparticle correlation studies in pPb collisions at $s_{NN}=8.16 \text{ TeV}$. <i>Physical Review C</i> , 2020 , 101,	2.7	2
818	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. <i>European Physical Journal C</i> , 2020 , 80, 534	4.2	6
817	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $(\sqrt{\text{mathrm{s}}}) = 13 \text{ TeV}$ and constraints on anomalous quartic couplings. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
816	Determination of the strong coupling constant $\alpha_S(m_Z)$ from measurements of inclusive $W\gamma$ and Z boson production cross sections in proton-proton collisions at $(\sqrt{\text{mathrm{s}}}) = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
815	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $(\sqrt{s}) = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
814	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 43	4.2	6
813	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $(\sqrt{s}) = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
812	Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft τ Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=13 \text{ TeV}$. <i>Physical Review Letters</i> , 2020 , 124, 041803	7.4	3
811	Evidence for $(\text{W})\text{W}$ production from double-parton interactions in proton-proton collisions at $(\sqrt{s} = 13, \text{TeV})$. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
810	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 75	4.2	24
809	Searches for physics beyond the standard model with the variable in hadronic final states with and without disappearing tracks in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 3	4.2	16
808	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020 , 80, 4	4.2	61

807	Constraints on the χ_{c1} versus χ_{c2} Polarizations in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2020 , 124, 162002	7.4	6
806	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\bar{\nu}\nu$ and $e\mu$ in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	6
805	A search for the standard model Higgs boson decaying to charm quarks. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
804	Study of J/ψ meson production inside jets in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 804, 135409	4.2	3
803	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2020 , 124, 131802	7.4	12
802	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
801	Study of excited B_0 states decaying to $B_0\pi$ in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135345	4.2	19
800	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> , 2020 , 805, 135425	4.2	25
799	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $(\sqrt{\text{mathrm}\{s}\}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
798	A multi-dimensional search for new heavy resonances decaying to boosted γ , W , or boson pairs in the dijet final state at 13 TeV. <i>European Physical Journal C</i> , 2020 , 80, 237	4.2	10
797	Production of $\bar{\Lambda}^+$ baryons in proton-proton and lead-lead collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135328	4.2	11
796	Measurement of single-diffractive dijet production in proton-proton collisions at with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2020 , 80, 1164	4.2	0
795	Measurement of differential cross sections and charge ratios for s -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 370	4.2	4
794	Measurement of $(\bar{t}t)$ normalised multi-differential cross sections in (pp) collisions at $(\sqrt{s}=13, \text{TeV})$, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , 2020 , 80, 1164	4.2	13
793	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $(\sqrt{\text{mathrm}\{s}\}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	16
792	Observation of the $B_0 \rightarrow J/\psi$ decay in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 802, 135203	4.2	5
791	Reconstruction of signal amplitudes in the CMS electromagnetic calorimeter in the presence of overlapping proton-proton interactions. <i>Journal of Instrumentation</i> , 2020 , 15, P10002-P10002	1	4
790	Observation of nuclear modifications in W boson production in pPb collisions at $s_{NN}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 800, 135048	4.2	9

789	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> , 2020 , 800, 135087	4.2	15
788	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> , 2020 , 800, 135042	4.2	8
787	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s}=13\text{ TeV}$. <i>Physical Review Letters</i> , 2020 , 125, 151802	7.4	2
786	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> , 2020 , 809, 135710	4.2	14
785	Strange hadron production in pp and pPb collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$. <i>Physical Review C</i> , 2020 , 101,	2.7	1
784	The production of isolated photons in PbPb and pp collisions at $(\sqrt{s_{\text{NN}}}) = 5.02\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
783	Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 808, 135609	4.2	3
782	Investigation into the event-activity dependence of $\langle n_S \rangle$ relative production in proton-proton collisions at $(\sqrt{s}) = 7\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
781	Bose-Einstein correlations of charged hadrons in proton-proton collisions at $(\sqrt{s}) = 13\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
780	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. <i>Computing and Software for Big Science</i> , 2020 , 4, 10	6	3
779	Search for electroweak production of a vector-like T quark using fully hadronic final states. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
778	Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at $(\sqrt{s}) = 13\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	5
777	Measurement of properties of $(\text{B})_{\text{S}}^0 \rightarrow \mu\mu$ decays and search for $\text{B}^0 \rightarrow \mu\mu$ with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
776	Search for a light pseudoscalar Higgs boson in the boosted $\mu\mu$ final state in proton-proton collisions at $(\sqrt{s}) = 13\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
775	Measurements of $t\bar{t}\overline{\text{H}}$ 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> , 2020 , 125, 061801	7.4	15
774	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$. <i>Journal of Instrumentation</i> , 2020 , 15, P02027-P02027	1	11
773	Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4
772	Measurement of the cross section for $(\overline{\text{t}}\text{t})$ production with additional jets and b jets in pp collisions at $(\sqrt{s}) = 13\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1

771	Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	13
770	Measurement of the $Y(1S)$ pair production cross section and search for resonances decaying to $Y(1S)\mu\mu$ in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 808, 135578	4.2	10
769	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	18
768	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P05002-P05002	1	
767	Search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV with 137 fb $^{-1}$ in final states with a single lepton using the sum of masses of large-radius jets. <i>Physical Review D</i> , 2020 , 101,	4.9	6
766	Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2020 , 124, 202001	7.4	2
765	Observation of the $B_{s}^{0} \rightarrow X(3872)\gamma$ Decay. <i>Physical Review Letters</i> , 2020 , 125, 152001	7.4	4
764	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2020 , 102,	4.9	6
763	Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , 2020 , 80, 718	4.2	2
762	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 752	4.2	2
761	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> , 2020 , 125, 102001	7.4	3
760	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
759	Measurement of the top quark pair production cross section in dilepton final states containing one lepton in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
758	Measurement of the $t\bar{t}b\bar{b}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135285	4.2	5
757	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 773	4.2	0
756	Search for a Light Charged Higgs Boson Decaying to a W Boson and a CP-Odd Higgs Boson in Final States with $e\mu\tau$ in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 131802	7.4	6
755	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> , 2019 , 123, 022001	7.4	7
754	Search for charged Higgs bosons in the $H\mu \rightarrow \mu\mu$ decay channel in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	24

753	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 305	4.2	2
752	Evidence for light-by-light scattering and searches for axion-like particles in ultraperipheral PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134826	4.2	35
751	Measurement of electroweak WZ boson production and search for new physics in WZ + two jets events in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 795, 281-307	4.2	19
750	Search for Higgs and Z boson decays to J/ψ or Υ pairs in the four-muon final state in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134811	4.2	4
749	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> , 2019 , 796, 131-154	4.2	16
748	Measurement of B_s^0 meson production in pp and PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 796, 168-190	4.2	5
747	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
746	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 011803	7.4	7
745	Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 021801	7.4	22
744	Search for supersymmetric partners of electrons and muons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 790, 140-166	4.2	24
743	Measurement and interpretation of differential cross sections for Higgs boson production at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 792, 369-396	4.2	18
742	Search for an $L \bar{L}$ gauge boson using $Z \rightarrow 4\ell$ events in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 792, 345-368	4.2	29
741	Search for a low-mass χ resonance in association with a bottom quark in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
740	Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at $(\sqrt{s}) = 13$ TeV via Higgs boson decays to $\ell\ell$ leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
739	Search for the pair production of light top squarks in the $e\bar{e}\chi$ final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
738	Measurement of associated production of a boson and a charm quark in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 269	4.2	9
737	Combinations of single-top-quark production cross-section measurements and $ f_{LVVtb} $ determinations at $(\sqrt{s}) = 7$ and 8 TeV with the ATLAS and CMS experiments. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
736	Observation of prompt J/ψ 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> , 2019 , 791, 172-194	4.2	14

735	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
734	Search for supersymmetry in events with a photon, jets, \bar{j} -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 444	4.2	1
733	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> , 2019 , 99,	4.9	42
732	Measurements of the $pp \rightarrow WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
731	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> , 2019 , 791, 96-129	4.2	27
730	Search for a $W\tau$ boson decaying to a lepton and a neutrino in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 792, 107-131	4.2	15
729	Measurement of the production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. <i>European Physical Journal C</i> , 2019 , 79, 368	4.2	27
728	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $(\sqrt{s}) = 13, \text{TeV}$). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
727	. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
726	Search for nonresonant Higgs boson pair production in the $(\overline{b}b)(\overline{b}b)$ final state at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
725	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 280	4.2	12
724	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $(\sqrt{s})=13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
723	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> , 2019 , 793, 320-347	4.2	21
722	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 364	4.2	18
721	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> , 2019 , 793, 520-551	4.2	86
720	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 121803	7.4	35
719	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> , 2019 , 122, 152001	7.4	8
718	Search for W Boson Decays to Three Charged Pions. <i>Physical Review Letters</i> , 2019 , 122, 151802	7.4	1

717	Search for single production of vector-like quarks decaying to a top quark and a boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 90	4.2	6
716	Study of the underlying event in top quark pair production in collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 123	4.2	4
715	Search for rare decays of and Higgs bosons to and a photon in proton-proton collisions at = 13. <i>European Physical Journal C</i> , 2019 , 79, 94	4.2	7
714	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9
713	Search for long-lived particles decaying into displaced jets in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	24
712	Measurements of ($\overline{\text{t}}$) differential cross sections in proton-proton collisions at ($\sqrt{s}=13$) TeV using events containing two leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	15
711	Search for ($\overline{\text{t}}\text{H}$) production in the (H to $\overline{\text{b}}\text{b}$) decay channel with leptonic ($\overline{\text{t}}$) decays in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	17
710	Search for Narrow H Resonances in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 081804	7.4	1
709	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at ($\sqrt{s} = 13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
708	Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
707	Search for resonant ($\overline{\text{t}}$) production in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	13
706	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> , 2019 , 122, 132003	7.4	6
705	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> , 2019 , 122, 132001	7.4	31
704	Search for production of Higgs boson pairs in the four b quark final state using large-area jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
703	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
702	Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	14
701	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 20	4.2	4
700	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	18

699	Search for a W^\pm boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
698	Search for top quark partners with charge $5/3$ in the same-sign dilepton and single-lepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9
697	Inclusive search for supersymmetry in pp collisions at ($\sqrt{s}=13$) TeV using razor variables and boosted object identification in zero and one lepton final states. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
696	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
695	Search for excited leptons in final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
694	Search for new particles decaying to a jet and an emerging jet. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	15
693	Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review C</i> , 2019 , 100,	2.7	2
692	Search for the production of $W^\pm W^\pm$ events at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	3
691	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	13
690	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at ($\sqrt{s} = 13, \text{TeV}$). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
689	Search for pair production of second-generation leptoquarks at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	20
688	Search for pair production of first-generation scalar leptoquarks at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	15
687	Measurement of exclusive γ photoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 702	4.2	13
686	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> , 2019 , 795, 76-99	4.2	2
685	Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 277	4.2	19
684	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , 2019 , 79, 564	4.2	20
683	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> , 2019 , 795, 398-423	4.2	17
682	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5

681	Measurement of the top quark mass in the all-jets final state at and combination with the lepton+jets channel. <i>European Physical Journal C</i> , 2019 , 79, 313	4.2	13
680	Search for long-lived particles using nonprompt jets and missing transverse momentum with proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134876	4.2	15
679	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> , 2019 , 798, 134952	4.2	10
678	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> , 2019 , 798, 134985	4.2	16
677	Search for MSSM Higgs bosons decaying to $\mu\mu$ in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 798, 134992	4.2	11
676	An embedding technique to determine μ backgrounds in proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P06032-P06032	1	5
675	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s}=13$ TeV using the CMS detector. <i>Journal of Instrumentation</i> , 2019 , 14, P07004-P07004	1	39
674	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> , 2019 , 100,	4.9	5
673	Charged-particle angular correlations in XeXe collisions at $\sqrt{s_{NN}}=5.44$ TeV. <i>Physical Review C</i> , 2019 , 100,	2.7	14
672	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
671	Search for supersymmetry using Higgs boson to diphoton decays at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
670	Measurements of differential Z boson production cross sections in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	11
669	Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9
668	Study of the $(\mathbf{B}^+ \rightarrow \mathbf{J}/\psi \overline{\Lambda} \mathbf{p})$ decay in proton-proton collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
667	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> , 2019 , 99,	4.9	12
666	Search for pair-produced three-jet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	2
665	Search for resonances decaying to a pair of Higgs bosons in the $b(\overline{\mathbf{b}})q(\overline{\mathbf{q}})$ final state in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
664	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 969	4.2	1

663	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> , 2019 , 799, 135049	4.2	5
662	Search for vectorlike leptons in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	14
661	Search for pair production of vectorlike quarks in the fully hadronic final state. <i>Physical Review D</i> , 2019 , 100,	4.9	18
660	Measurement of the top quark polarization and $t\bar{t}$ spin correlations using dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	13
659	Constraints on anomalous HVV couplings from the production of Higgs bosons decaying to $\mu\mu$ lepton pairs. <i>Physical Review D</i> , 2019 , 100,	4.9	11
658	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> , 2019 , 100,	4.9	10
657	Measurement of the differential Drell-Yan cross section in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	6
656	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
655	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 893	4.2	6
654	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	21
653	Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. <i>Physical Review Letters</i> , 2019 , 123, 241801	7.4	
652	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 886	4.2	6
651	Search for long-lived particles using delayed photons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	7
650	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 231803	7.4	7
649	Search for Higgs boson pair production in the $B\bar{B}$ final state in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 788, 7-36	4.2	24
648	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> , 2019 , 789, 19-44	4.2	3
647	Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. <i>Physical Review Letters</i> , 2018 , 120, 071802	7.4	30
646	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> , 2018 , 120, 081801	7.4	50

645	Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp and p+Pb Collisions at the LHC. <i>Physical Review Letters</i> , 2018 , 120, 092301	7.4	27
644	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at. <i>European Physical Journal C</i> , 2018 , 78, 242	4.2	4
643	Measurement of the Splitting Function in pp and Pb-Pb Collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 142302	7.4	27
642	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> , 2018 , 780, 251-272	4.2	20
641	Pseudorapidity distributions of charged hadrons in proton-lead collisions at ($\sqrt{s_{\text{NN}}}=5.02$) and 8.16 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
640	Observation of the Higgs boson decay to a pair of τ leptons with the CMS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 283-316	4.2	78
639	Suppression of Excited χ States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 142301	7.4	12
638	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> , 2018 , 97,	4.9	8
637	Search for resonant and nonresonant Higgs boson pair production in the ($\mathbb{b}\overline{\mathbb{b}}\ell\ell$) final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	19
636	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> , 2018 , 777, 39-63	4.2	14
635	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> , 2018 , 776, 355-378	4.2	12
634	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s}=13$. <i>European Physical Journal C</i> , 2018 , 78, 291	4.2	17
633	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2018 , 78, 165	4.2	29
632	Measurement of associated Z + charm production in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 287	4.2	11
631	Measurement of the inclusive ($\mathbb{t}\overline{\mathbb{t}}$) cross section in pp collisions at ($\sqrt{s}=5.02$) TeV using final states with at least one charged lepton. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
630	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	
629	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
628	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4

627	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	45
626	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	40
625	Measurement of differential cross sections in the kinematic angular variable θ^* for inclusive Z boson production in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	2
624	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> , 2018 , 2018, 1	5-4	8
623	Measurement of normalized differential ($\overline{\sigma}$) cross sections in the dilepton channel from pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	12
622	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	13
621	Search for ZZ resonances in the $2\ell\ell$ final state in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	3
620	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> , 2018 , 97,	4-9	20
619	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> , 2018 , 97,	4-9	6
618	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> , 2018 , 780, 118-143	4-2	9
617	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> , 2018 , 97,	4-9	51
616	Jet properties in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
615	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> , 2018 , 779, 166-190	4-2	4
614	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> , 2018 , 779, 82-106	4-2	29
613	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> , 2018 , 779, 358-384	4-2	11
612	Search for new long-lived particles at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 432-454	4-2	20
611	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 $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 384-409	4-2	2
610	Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	22

609	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 140	4.2	20
608	Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity p+Pb Collisions at $\sqrt{s_{\text{NN}}}=8.16$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 082301	7.4	35
607	Measurement of b hadron lifetimes in pp collisions at. <i>European Physical Journal C</i> , 2018 , 78, 457	4.2	9
606	Study of jet quenching with isolated-photon+jet correlations in PbPb and pp collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 785, 14-39	4.2	21
605	Search for top squarks and dark matter particles in opposite-charge dilepton final states at $s=13$ TeV. <i>Physical Review D</i> , 2018 , 97,	4.9	26
604	Combination of inclusive and differential ($\overline{\text{t}}$) charge asymmetry measurements using ATLAS and CMS data at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
603	Search for vectorlike light-flavor quark partners in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , 2018 , 97,	4.9	6
602	Search for single production of a vector-like T quark decaying to a Z boson and a top quark in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 574-600	4.2	24
601	Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 244-269	4.2	22
600	Search for the X(5568) State Decaying into $B_s^0 \pi^0$ in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 202005	7.4	36
599	Measurements of the $\text{pp} \rightarrow \text{Z}\text{pp}$ production cross section and the $\text{Z} \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at ($\sqrt{s} = 13, \text{TeV}$) 2018 , 78, 1		3
598	Azimuthal anisotropy of charged particles with transverse momentum up to 100 GeV/c in PbPb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 195-216	4.2	27
597	Search for ($\overline{\text{t}}\text{H}$) production in the all-jet final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	13
596	Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at ($\sqrt{s}=8$) and 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
595	Measurement of the groomed jet mass in PbPb and pp collisions at ($\sqrt{s_{\text{NN}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
594	Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	8
593	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
592	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14

591	Search for natural and split supersymmetry in proton-proton collisions at ($\sqrt{s}=13$) TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	39
590	Pseudorapidity and transverse momentum dependence of flow harmonics in pPb and PbPb collisions. <i>Physical Review C</i> , 2018 , 98,	2.7	6
589	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
588	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two leptons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
587	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	16
586	Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
585	Charged-particle nuclear modification factors in XeXe collisions at ($\sqrt{s_{\text{NN}}}=5.44$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
584	Precision measurement of the structure of the CMS inner tracking system using nuclear interactions. <i>Journal of Instrumentation</i> , 2018 , 13, P10034-P10034	1	7
583	Measurement of the top quark mass with lepton+jets final states using collisions at. <i>European Physical Journal C</i> , 2018 , 78, 891	4.2	13
582	Angular analysis of the decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	8
581	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
580	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	37
579	Event shape variables measured using multijet final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
578	Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	14
577	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 241802	7.4	20
576	Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	12
575	Measurement of jet substructure observables in $t\bar{t}$ events from proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	12
574	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12

573	Search for narrow and broad dijet resonances in proton-proton collisions at ($\sqrt{s}=13$) TeV and constraints on dark matter mediators and other new particles. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	50
572	Search for $Z\tau$ resonances using leptonic and hadronic final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	11
571	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	5
570	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	9
569	Search for supersymmetry in events with a τ lepton pair and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	14
568	Search for the decay of a Higgs boson in the $\tau\tau$ channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	11
567	Performance of reconstruction and identification of τ leptons decaying to hadrons and $\nu\tau$ in pp collisions at $\sqrt{s}=13$ TeV. <i>Journal of Instrumentation</i> , 2018 , 13, P10005-P10005	1	29
566	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> , 2018 , 121, 221802	7-4	6
565	Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. <i>European Physical Journal C</i> , 2018 , 78, 707	4-2	23
564	Measurement of differential cross sections for boson production in association with jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 965	4-2	19
563	Studies of ρ and mesons including the observation of the decay in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 939	4-2	12
562	Observation of the $Z \rightarrow \tau^+\tau^-$ Decay in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 141801	7-4	1
561	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\tau q$ final states at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
560	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 697	4-2	9
559	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\tau$ final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	3
558	Search for new physics in dijet angular distributions using proton-proton collisions at and constraints on dark matter and other models. <i>European Physical Journal C</i> , 2018 , 78, 789	4-2	19
557	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2018 , 78, 1	4-2	4
556	Search for high-mass resonances in final states with a lepton and missing transverse momentum at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	15

555	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	8
554	Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	10
553	Measurement of the cross section in pp collisions at and validation of lepton analysis techniques. <i>European Physical Journal C</i> , 2018 , 78, 708	4-2	5
552	Search for vector-like T and B quark pairs in final states with leptons at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	29
551	Search for dark matter produced in association with a Higgs boson decaying to $\bar{b}b$ ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
550	Search for additional neutral MSSM Higgs bosons in the $\tau\tau$ final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	42
549	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> , 2018 , 121, 141802	7-4	1
548	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
547	Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	20
546	Search for a heavy resonance decaying into a Z boson and a vector boson in the ($\nu\bar{\nu}\overline{\mathit{q}}\overline{\mathit{q}}$) final state. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6
545	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. <i>Journal of Instrumentation</i> , 2018 , 13, P05011-P05011	1	152
544	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	18
543	Search for beyond the standard model Higgs bosons decaying into a ($\overline{\mathit{b}}\mathit{b}$) pair in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	11
542	Observation of the $\chi_{b1}(3P)$ and $\chi_{b2}(3P)$ and Measurement of their Masses. <i>Physical Review Letters</i> , 2018 , 121, 092002	7-4	16
541	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in collisions at 8. <i>European Physical Journal C</i> , 2018 , 78, 701	4-2	25
540	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , 2018 , 78, 509	4-2	37
539	Search for lepton flavour violating decays of the Higgs boson to $\bar{\nu}\nu$ and $e\bar{e}$ in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	19
538	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying τ leptons at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	23

537	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 leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 785, 462-488	4.2	28
536	Observation of Higgs Boson Decay to Bottom Quarks. <i>Physical Review Letters</i> , 2018 , 121, 121801	7.4	79
535	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> , 2018 , 98,	4.9	26
534	Electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=13$ (TeV). <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	12
533	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
532	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	16
531	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
530	Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	20
529	Search for a singly produced third-generation scalar leptoquark decaying to a lepton and a bottom quark in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
528	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	10
527	Measurement of the inelastic proton-proton cross section at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	41
526	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	24
525	Search for high-mass resonances in dilepton final states in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	63
524	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> , 2018 , 120, 201801	7.4	13
523	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> , 2018 , 778, 101-127	4.2	35
522	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> , 2018 , 778, 263-291	4.2	12
521	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> , 2018 , 97,	2.7	40
520	Measurement of Prompt D^0 Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 202301	7.4	39

519	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> , 2018 , 778, 349-370	4.2	6
518	Search for excited quarks of light and heavy flavor in b -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> , 2018 , 781, 390-411	4.2	5
517	Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks. <i>Physical Review D</i> , 2018 , 97,	4.9	16
516	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> , 2018 , 780, 501-532	4.2	47
515	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	28
514	Measurement of angular parameters from the decay $B^0 \rightarrow K^* \mu^+ \mu^-$ in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 517-541 ²	4.2	44
513	Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 782, 440-467	4.2	34
512	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> , 2017 , 118, 021802 ^{7.4}	4.2	23
511	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> , 2017 , 767, 147-170	4.2	55
510	Observation of the decay $B^+ \rightarrow \rho^+ (1020) K^+$ in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 764, 66-86	4.2	2
509	Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2017 , 95,	4.9	7
508	Measurement of the WZ production cross section in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 766, 268-290	4.2	22
507	Search for R-parity violating supersymmetry with displaced vertices in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2017 , 95,	4.9	11
506	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> , 2017 , 77, 15	4.2	19
505	Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2017 , 95,	4.9	9
504	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> , 2017 , 77, 172	4.2	22
503	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at ($\sqrt{s}=8$) TeV and cross section ratios to 2.76 and 7 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	34
502	Search for electroweak production of charginos in final states with two leptons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7

501	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 92	4.2	7
500	Measurement of the WZ production cross section in pp collisions at [Formula: see text] and 8 [Formula: see text] and search for anomalous triple gauge couplings at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 236	4.2	21
499	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> , 2017 , 77, 269	4.2	26
498	Suppression of $\chi(1S)$, $\chi(2S)$, and $\chi(3S)$ quarkonium states in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 357-379	4.2	57
497	Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV. <i>Journal of Instrumentation</i> , 2017 , 12, P02014-P02014	1	149
496	A search for new phenomena in pp collisions at [Formula: see text] in final states with missing transverse momentum and at least one jet using the [Formula: see text] variable. <i>European Physical Journal C</i> , 2017 , 77, 294	4.2	21
495	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> , 2017 , 771, 80-105	4.2	11
494	Measurement of the cross section for electroweak production of $Z\nu$ association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 380-402	4.2	22
493	The CMS trigger system. <i>Journal of Instrumentation</i> , 2017 , 12, P01020-P01020	1	210
492	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> , 2017 , 768, 103-129	4.2	23
491	Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s}=8$ TeV using the ΔE variable. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 403-430	4.2	15
490	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s}=13$ TeV and combination with 8 TeV data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 768, 57-80	4.2	50
489	Search for dijet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter and other models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 520-542	4.2	74
488	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> , 2017 , 768, 137-162	4.2	13
487	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> , 2017 , 118, 122301	7.4	72
486	Evidence for collectivity in pp collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 193-220	4.2	171
485	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>Physical Review Letters</i> , 2017 , 119, 151802	7.4	7
484	Measurement of the B^0 Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2017 , 119, 152301	7.4	37

483	Measurement of the differential cross sections for the associated production of a W boson and jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2017 , 96,	4.9	15
482	Search for new physics in the monophoton final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
481	Pseudorapidity dependence of long-range two-particle correlations in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review C</i> , 2017 , 96,	2.7	5
480	Measurement of inclusive jet cross sections in pp and PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , 2017 , 96,	2.7	39
479	Measurement of double-differential cross sections for top quark pair production in pp collisions at [Formula: see text][Formula: see text] and impact on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 459	4.2	16
478	Measurement of the jet mass in highly boosted [Formula: see text] events from pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 467	4.2	14
477	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> , 2017 , 96,	4.9	7
476	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> , 2017 , 96,	4.9	8
475	Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV. <i>Physical Review D</i> , 2017 , 96,	4.9	50
474	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> , 2017 , 119, 141802	7.4	28
473	Measurements of the associated production of a Z boson and b jets in pp collisions at. <i>European Physical Journal C</i> , 2017 , 77, 751	4.2	15
472	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at ($\sqrt{s}=8$) TeV using $H \rightarrow WW$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
471	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> , 2017 , 119, 082301	7.4	22
470	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> , 2017 , 119, 111802	7.4	21
469	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> , 2017 , 772, 336-358	4.2	10
468	Charged-particle nuclear modification factors in PbPb and pPb collisions at ($\sqrt{s_{\mathrm{NN}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	64
467	Search for new phenomena in events with high jet multiplicity and low missing transverse momentum in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 257-267	4.2	9
466	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> , 2017 , 770, 50-71	4.2	6

465	Search for anomalous couplings in boosted $WW/WZ \rightarrow \bar{q}q$ production in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 21-42	4.2	22
464	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> , 2017 , 769, 391-412	4.2	3
463	Search for heavy gauge W' bosons in events with an energetic lepton and large missing transverse momentum at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 278-301	4.2	24
462	Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 306-329	4.2	14
461	Search for high-mass Z' resonances in proton-proton collisions at $s=8$ and 13 TeV using jet substructure techniques. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 363-387	4.2	10
460	Coherent J/ψ photoproduction in ultra-peripheral PbPb collisions at $s_{NN}=2.76$ TeV with the CMS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 489-511	4.2	58
459	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> , 2017 , 2017, 1	5.4	17
458	Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 634-656	4.2	11
457	Cross section measurement of t-channel single top quark production in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 752-776	4.2	32
456	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> , 2017 , 95,	4.9	41
455	Search for associated production of dark matter with a Higgs boson decaying to $(\overline{\text{b}})$ or $\bar{t}t$ ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
454	Observation of Top Quark Production in Proton-Nucleus Collisions. <i>Physical Review Letters</i> , 2017 , 119, 242001	7.4	11
453	Observation of $Y(1S)$ pair production in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	29
452	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> , 2017 , 2017, 1	5.4	26
451	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> , 2017 , 2017, 1	5.4	8
450	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> , 2017 , 775, 1-24	4.2	32
449	Measurement of the semileptonic $(\overline{\text{t}}) + \psi$ production cross section in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
448	Measurements of the $pp \rightarrow W$ and $pp \rightarrow Z$ cross sections and limits on anomalous quartic gauge couplings at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	2

447	Mechanical stability of the CMS strip tracker measured with a laser alignment system. <i>Journal of Instrumentation</i> , 2017 , 12, P04023-P04023		1
446	Search for new phenomena with the variable in the all-hadronic final state produced in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 710	4.2	54
445	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
444	Search for leptophobic Z' bosons decaying into four-lepton final states in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 773, 563-584	4.2	6
443	Search for black holes and other new phenomena in high-multiplicity final states in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 279-307	4.2	10
442	Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton-proton collisions at $s=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 533-558	4.2	25
441	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> , 2017 , 2017, 1	5.4	19
440	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> , 2017 , 2017, 1	5.4	9
439	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , 2017 , 95,	4.9	10
438	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	15
437	Measurement of the differential inclusive B+ hadron cross sections in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 435-456	4.2	15
436	Suppression and azimuthal anisotropy of prompt and nonprompt [Formula: see text] production in PbPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 252	4.2	58
435	Searches for pair production of third-generation squarks in [Formula: see text][Formula: see text] pp collisions. <i>European Physical Journal C</i> , 2017 , 77, 327	4.2	17
434	Measurement of the top quark mass using single top quark events in proton-proton collisions at [Formula: see text]TeV. <i>European Physical Journal C</i> , 2017 , 77, 354	4.2	8
433	Relative Modification of Prompt ψ S and J/ ψ yields from pp to PbPb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2017 , 118, 162301	7.4	18
432	Searches for invisible decays of the Higgs boson in pp collisions at (\sqrt{s}) = 7, 8, and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	74
431	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	19
430	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 845	4.2	22

429	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> , 2017 , 119, 221802	7.4	23
428	Measurement of electroweak-induced production of $W\gamma$ 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> , 2017 , 2017, 1	5.4	9
427	Searches for $W\gamma$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
426	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> , 2017 , 2017, 1	5.4	5
425	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	18
424	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
423	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	20
422	Principal-component analysis of two-particle azimuthal correlations in PbPb and pPb collisions at CMS. <i>Physical Review C</i> , 2017 , 96,	2.7	12
421	Search for Higgs boson pair production in the $bb\gamma$ final state in proton-proton collisions at $(s)=8$ TeV. <i>Physical Review D</i> , 2017 , 96,	4.9	14
420	Measurement of charged pion, kaon, and proton production in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2017 , 96,	4.9	33
419	Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 682-705	4.2	29
418	Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 775, 315-337	4.2	6
417	Search for top squark pair production in pp collisions at $(\sqrt{s}=13)$ TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
416	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> , 2017 , 2017, 1	5.4	12
415	Measurement of the $(\overline{\text{t}}\text{t})$ production cross section using events with one lepton and at least one jet in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	14
414	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
413	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 578	4.2	21
412	Search for top quark partners with charge $5/3$ in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3

411	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	21
410	Measurements of jet charge with dijet events in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
409	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> , 2017 , 2017, 1	5.4	10
408	Search for new physics with dijet angular distributions in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
407	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	46
406	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	35
405	Search for new phenomena with multiple charged leptons in proton-proton collisions at ($\sqrt{s}=13$) (,text {TeV}). <i>European Physical Journal C</i> , 2017 , 77, 1	4.2	2
404	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at. <i>European Physical Journal C</i> , 2017 , 77, 636	4.2	20
403	Search for high-mass Z resonances in $e+e$ and $\mu+\mu$ final states in proton-proton collisions at ($\sqrt{s}=8$) and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	4
402	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> , 2017 , 2017, 1	5.4	18
401	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> , 2017 , 2017, 1	5.4	4
400	Measurement of the triple-differential dijet cross section in proton-proton collisions at and constraints on parton distribution functions. <i>European Physical Journal C</i> , 2017 , 77, 746	4.2	8
399	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
398	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	10
397	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	77
396	Particle-flow reconstruction and global event description with the CMS detector. <i>Journal of Instrumentation</i> , 2017 , 12, P10003-P10003	1	234
395	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	16
394	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 325	4.2	13

393	Search for new physics in same-sign dilepton events in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 439	4.2	34
392	Measurement of dijet azimuthal decorrelation in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 536	4.2	6
391	Search for dark matter particles in proton-proton collisions at ($\sqrt{s}=8$) TeV using the razor variables. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	2
390	Search for s channel single top quark production in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
389	Measurement of inclusive jet production and nuclear modifications in pPb collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 372	4.2	24
388	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	15
387	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> , 2016 , 2016, 1	5.4	30
386	Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
385	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	9
384	Evidence for exclusive $\Xi \rightarrow W + W$ production and constraints on anomalous quartic gauge couplings in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	27
383	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> , 2016 , 2016, 1	5.4	7
382	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 460	4.2	14
381	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	9
380	Phenomenological MSSM interpretation of CMS searches in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	11
379	Measurement of the mass of the top quark in decays with a J/ψ meson in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
378	Measurement of the inclusive jet cross section in pp collisions at ($\sqrt{s} = 2.76, \text{text {TeV}}$). <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	17
377	Measurement of [Formula: see text] production with additional jet activity, including [Formula: see text] quark jets, in the dilepton decay channel using pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 379	4.2	20
376	Measurement of the differential cross section and charge asymmetry for inclusive [Formula: see text] production at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2016 , 76, 469	4.2	37

375	Observation of top quark pairs produced in association with a vector boson in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	18
374	Search for $W \rightarrow tb$ in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	2
373	Correlations between jets and charged particles in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21
372	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	2
371	Search for excited leptons in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
370	Measurement of the [Formula: see text] production cross section in the all-jets final state in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 128	4.2	21
369	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4.2	250
368	Search for massive WH resonances decaying into the [Formula: see text] final state at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 237	4.2	19
367	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	14
366	Measurement of top quark polarisation in t-channel single top quark production. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
365	Search for heavy Majorana neutrinos in $e\bar{e}\mu\mu$ jets and $e\mu\mu\mu$ jets events in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	28
364	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\mu\mu$ leptons in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
363	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 13	4.2	35
362	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
361	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> , 2016 , 2016, 1	5.4	13
360	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 451	4.2	36
359	Measurement of the [Formula: see text] cross section in pp collisions at [Formula: see text] TeV and limits on anomalous gauge couplings. <i>European Physical Journal C</i> , 2016 , 76, 401	4.2	38
358	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. <i>European Physical Journal C</i> , 2016 , 76, 371	4.2	25

357	LHC forward physics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016 , 43, 110201	2.9	75
356	Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	14
355	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an [Formula: see text] pair in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 317	4.2	9
354	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	4
353	Measurement of the ZZ production cross section and $Z \rightarrow \mu\mu + \tau\tau$ branching fraction in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 280-303	4.2	22
352	Searches for R-parity-violating supersymmetry in pp collisions at $\sqrt{s}=8$ TeV in final states with 0 leptons. <i>Physical Review D</i> , 2016 , 94,	4.9	7
351	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21
350	Search for anomalous single top quark production in association with a photon in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
349	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	6
348	Search for lepton flavour violating decays of the Higgs boson to $e\bar{\mu}$ and $e\mu$ in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 472-500	4.2	35
347	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
346	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. <i>European Physical Journal C</i> , 2015 , 75, 251	4.2	55
345	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 66	4.2	21
344	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 147	4.2	50
343	Search for decays of stopped long-lived particles produced in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 151	4.2	33
342	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	19
341	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow J/\psi \mu\mu$ and $B \rightarrow J/\psi \mu\mu$ ($\frac{\sigma(\mathrm{mathcal{B}} \rightarrow J/\psi \mu\mu) \times \mathrm{BR}(\mathrm{mathcal{B}} \rightarrow J/\psi \mu\mu)}{\sigma(\mathrm{mathcal{B}} \rightarrow J/\psi \mu\mu) \times \mathrm{BR}(\mathrm{mathcal{B}} \rightarrow J/\psi \mu\mu)}$) in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	13
340	Search for disappearing tracks in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	35

339	Study of Z production in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}$)=2.76) TeV in the dimuon and dielectron decay channels. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	18
338	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at (\sqrt{s})=8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	69
337	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at (\sqrt{s})=2.76) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	6
336	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 235	4-2	250
335	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 288	4-2	37
334	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 237	4-2	48
333	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 302	4-2	4
332	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 325	4-2	24
331	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	22
330	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> , 2015 , 2015, 1	5-4	19
329	Searches for supersymmetry using the M_{T2} variable in hadronic events produced in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	26
328	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at (\sqrt{s})=8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	33
327	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at (\sqrt{s})=8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	17
326	Search for a charged Higgs boson in pp collisions at (\sqrt{s})=8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	61
325	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at (\sqrt{s})=8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	11
324	Search for a light charged Higgs boson decaying to ($\overline{\mathrm{c}}\mathrm{s}$) in pp collisions at (\sqrt{s})=8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-37	5-4	33
323	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	16
322	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at (\sqrt{s})=8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	

321	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	73
320	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 212	4.2	399
319	Measurement of the Z production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	7
318	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2015 , 75, 186	4.2	41
317	Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 542	4.2	98
316	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> , 2015 , 75, 511	4.2	25
315	Comparison of the Z/ + jets to + jets cross sections in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	5
314	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	18
313	Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	43
312	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at ($\sqrt{s_{NN}}$) = 2.76 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	60
311	Measurement of associated W + charm production in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	37
310	Search for new physics in events with same-sign dileptons and jets in pp collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	38
309	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at ($\sqrt{s_{\mathrm{NN}}}$) = 5.02 (,text {TeV}). <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	67
308	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> , 2014 , 74, 2973	4.2	16
307	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , 2014 , 74, 2980	4.2	131
306	Measurement of jet multiplicity distributions in [Formula: see text] production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3014	4.2	11
305	Study of double parton scattering using W + 2-jet events in proton-proton collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	61
304	Event activity dependence of (Υ)(nS) production in ($\sqrt{s_{NN}}$) = 5.02 TeV pPb and (\sqrt{s}) = 2.76 TeV pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42

303	. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	18
302	Evidence for the 125 GeV Higgs boson decaying to a pair of τ leptons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	101
301	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	23
300	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	15
299	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	81
298	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	48
297	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	21
296	Search for pair production of excited top quarks in the lepton + jets final state. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	3
295	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	74
294	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	59
293	Measurement of the top-quark mass in all-jets [Formula: see text] events in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2014 , 74, 2758	4-2	21
292	Study of the production of charged pions, kaons, and protons in pPb collisions at [Formula: see text]5.02[Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 2847	4-2	71
291	Probing color coherence effects in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 2901	4-2	13
290	Search for heavy neutrinos and [Formula: see text] bosons with right-handed couplings in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3149	4-2	149
289	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3060	4-2	29
288	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3129	4-2	29
287	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	70
286	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $(\sqrt{s}) = 8$ TeV by the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2014 , 74, 1	4-2	37

285	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. <i>European Physical Journal C</i> , 2014 , 74, 3036	4.2	183
284	Measurement of prompt J/ψ pair production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	41
283	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , 2014 , 74, 3076	4.2	239
282	Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	45
281	Study of hadronic event-shape variables in multijet final states in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	3
280	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	15
279	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	32
278	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	144
277	Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV 2014 , 2014, 1		3
276	Search for the associated production of the Higgs boson with a top-quark pair 2014 , 2014, 1		6
275	Search for microscopic black holes in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	38
274	Measurement of the (Λ_{b}^0) lifetime in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
273	Searches for long-lived charged particles in pp collisions at $(\sqrt{s}) =7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	96
272	Study of exclusive two-photon production of $W+W\gamma$ in pp collisions at $(\sqrt{s}=7)$ TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	56
271	Observation of a new boson with mass near 125 GeV in pp collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	261
270	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	35
269	Measurement of D^*_{F} production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	7
268	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39

249	Measurement of the $(\bar{t}t)$ production cross section in the $\bar{t}t$ jets channel in pp collisions at $(\sqrt{s}=7 \text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	21
248	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $(\sqrt{s}=7 \text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 73, 2674	4.2	24
247	Search for top-squark pair production in the single-lepton final state in pp collisions at $(\sqrt{s}=8 \text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	162
246	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $(\sqrt{s}) = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
245	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $(\sqrt{s}) = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	26
244	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	50
243	Measurement of the $W+W$ cross section in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ and limits on anomalous WW and WWZ couplings. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	56
242	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $(\sqrt{s}=7) \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	37
241	Measurement of the ZZ production cross section and search for anomalous couplings in ZZ final states in pp collisions at $(\sqrt{s}=7) \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39
240	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or B b-quark jets in 7 TeV pp collisions using the variable \bar{E}_T . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	29
239	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at $(\sqrt{s}=7) \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	12
238	Production of the excited charm mesons D1 and D2? at HERA. <i>Nuclear Physics B</i> , 2013 , 866, 229-254	2.8	11
237	Production of χ_{c0} . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 915-921	4.2	6
236	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $(\sqrt{s}=7 \text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 73, 2283	4.2	45
235	Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	114
234	Measurement of differential top-quark-pair production cross sections in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	102
233	Measurement of high-Q ² neutral current deep inelastic e+p scattering cross sections with a longitudinally polarized positron beam at HERA. <i>Physical Review D</i> , 2013 , 87,	4.9	16
232	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $(\sqrt{s}=8) \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1		2

231	Measurement of the t dependence in exclusive photoproduction of $\eta(1S)$ mesons at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 14-20	4.2	11
230	Search for single-top production in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 27-36	4.2	24
229	Study of high- p_T charged particle suppression in PbPb compared to pp collisions at $(\sqrt{s_{NN}}=2.76\text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	316
228	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $(\sqrt{s_{NN}}=2.76\text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	158
227	Jet production rates in association with W and Z bosons in pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	37
226	Exclusive $\bar{b}b$ production in proton-proton collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	45
225	Measurement of the production cross section for pairs of isolated photons in pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	20
224	Inclusive b-jet production in pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	30
223	Search for quark compositeness in dijet angular distributions from pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	12
222	Suppression of non-prompt J/ψ and $(\Upsilon)(1S)$ in PbPb collisions at $(\sqrt{s_{NN}}=2.76\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	184
221	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	44
220	Measurement of the cross section for production of $(\bar{b}X)$ decaying to muons in pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	3
219	Measurement of the $Z/\bar{b} + b$ -jet cross section in pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	24
218	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	27
217	Search for anomalous production of multilepton events in pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	65
216	Search for a light charged Higgs boson in top quark decays in pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	101
215	Search for leptonic decays of W^\pm bosons in pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	43
214	Search for stopped long-lived particles produced in pp collisions at $(\sqrt{s}=7\text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	17

213	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> , 2012 , 2012, 1	5-4	24
212	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> , 2012 , 2012, 1	5-4	11
211	Search for anomalous ($\overline{t}t$) production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	57
210	Search for dark matter and large extra dimensions in monojet events in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	155
209	Search for a fermiophobic Higgs boson in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	13
208	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> , 2012 , 2012, 1	5-4	92
207	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> , 2012 , 2012, 1	5-4	73
206	Measurement of the ($\overline{t}t$) production cross section in the dilepton channel in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	64
205	Search for exclusive or semi-exclusive $\overline{t}t$ production and observation of exclusive and semi-exclusive $e+e\overline{t}t$ production in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	45
204	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> , 2012 , 2012, 1	5-4	6
203	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	41
202	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	10
201	Search for resonant ($\overline{t}t$) production in lepton+jets events in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	25
200	Observation of Z decays to four leptons with the CMS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	30
199	Measurement of the single-top-quark t-channel cross section in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	70
198	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at ($\sqrt{s}=7$;TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	12
197	Measurement of the top-quark mass in ($\overline{t}t$) events with lepton+jets final states in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	30
196	Angular correlations in three-jet events in ep collisions at HERA. <i>Physical Review D</i> , 2012 , 85,	4-9	2

195	A new boson with a mass of 125 GeV observed with the CMS experiment at the Large Hadron Collider. <i>Science</i> , 2012 , 338, 1569-75	33.3	71
194	Inclusive-jet photoproduction at HERA and determination of β_s . <i>Nuclear Physics B</i> , 2012 , 864, 1-37	2.8	30
193	Measurement of isolated photons accompanied by jets in deep inelastic ep scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 715, 88-97	4.2	7
192	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> , 2012 , 72, 1	4.2	30
191	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> , 2012 , 72, 1	4.2	133
190	Combined inclusive diffractive cross sections measured with forward proton spectrometers in deep inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	25
189	A search for a doubly-charged Higgs boson in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	111
188	Measurement of the top-quark mass in ($\text{t} \rightarrow \text{t} \rightarrow \text{t}$) events with dilepton final states in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	36
187	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> , 2012 , 72, 1	4.2	17
186	Measurement of the relative prompt production rate of $\text{t} \rightarrow \text{t}$ and $\text{t} \rightarrow \text{t}$ in pp collisions at [<i>Formula: see text</i>]. <i>European Physical Journal C</i> , 2012 , 72, 2251	4.2	46
185	Search for first-generation leptoquarks at HERA. <i>Physical Review D</i> , 2012 , 86,	4.9	22
184	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	11
183	Exclusive electroproduction of two pions at HERA. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	7
182	J/ψ and $\psi(2S)$ production in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	69
181	Scaled momentum distributions for $(K_S^0)KS$ and $(\Lambda/\bar{\Lambda})$ in DIS at HERA. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	1
180	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\mu\mu$ channel in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	24
179	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 4\mu$ decay channel in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	11
178	Search for $(B^0 \rightarrow \mu^+ \mu^-)$ and $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	52

177	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow q(\overline{q})$ in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	21
176	Search for microscopic black holes in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	34
175	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> , 2012 , 2012, 1	5.4	13
174	Measurement of the mass difference between top and antitop quarks. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	13
173	Measurement of beauty production in deep inelastic scattering at HERA using decays into electrons. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	13
172	Prompt and non-prompt J/ψ production in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	118
171	Measurement of heavy-quark jet photoproduction at HERA. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	12
170	Measurement of the $(\overline{t}t)$ 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> , 2011 , 71, 1	4.2	35
169	Charged particle multiplicities in pp interactions at $(\sqrt{s} = 0.9)$, 2.36, and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	89
168	Measurements of inclusive W and Z cross sections in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	104
167	Study of taupair production at HERA. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	1
166	Search for heavy stable charged particles in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	34
165	Inclusive b-hadron production cross section with muons in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	21
164	Measurement of $(\overline{B}B)$ angular correlations based on secondary vertex reconstruction at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	27
163	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	38
162	Measurement of Bose-Einstein correlations in pp collisions at $(\sqrt{s} = 0.9)$ and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	22
161	Strange particle production in pp collisions at $(\sqrt{s} = 0.9)$ and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	78
160	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	21

159	Search for resonances in the dilepton mass distribution in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	32
158	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> , 2011 , 2011, 1	5-4	26
157	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> , 2011 , 2011, 1	5-4	46
156	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> , 2011 , 2011, 1	5-4	10
155	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> , 2011 , 2011, 1	5-4	48
154	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> , 2011 , 2011, 1	5-4	56
153	Search for light resonances decaying into pairs of muons as a signal of new physics. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	12
152	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	28
151	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> , 2011 , 2011, 1	5-4	39
150	Charged particle transverse momentum spectra in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	44
149	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> , 2011 , 2011, 1	5-4	17
148	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> , 2011 , 2011, 1	5-4	87
147	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> , 2011 , 2011, 1	5-4	46
146	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> , 2011 , 2011, 1	5-4	32
145	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> , 2011 , 2011, 1	5-4	70
144	Measurement of the Drell-Yan cross section in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	32
143	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> , 2011 , 2011, 1	5-4	121
142	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> , 2011 , 2011, 1	5-4	19

141	Measurement of the energy dependence of the total photon-proton cross section at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 697, 184-193	4.2	6
140	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV 2011 , 2011, 1		5
139	Measurement of charm and beauty production in deep inelastic ep scattering from decays into muons at HERA. <i>European Physical Journal C</i> , 2010 , 65, 65-79	4.2	42
138	Measurement of beauty production in DIS and extraction at ZEUS. <i>European Physical Journal C</i> , 2010 , 69, 347-360	4.2	13
137	First measurement of the underlying event activity at the LHC with ($\sqrt{s} = 0.9$) TeV. <i>European Physical Journal C</i> , 2010 , 70, 555-572	4.2	36
136	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , 2010 , 70, 1165-1192	4.2	99
135	Measurement of high-Q ² charged current deep inelastic scattering cross sections with a longitudinally polarised positron beam at HERA. <i>European Physical Journal C</i> , 2010 , 70, 945-963	4.2	22
134	Inclusive dijet cross sections in neutral current deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2010 , 70, 965-982	4.2	13
133	Combined measurement and QCD analysis of the inclusive $e + p$ scattering cross sections at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	370
132	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> , 2010 , 2010, 1	5.4	201
131	Events with an isolated lepton and missing transverse momentum and measurement of W production at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	7
130	Measurement of J/ψ photoproduction at large momentum transfer at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	6
129	Scaled momentum spectra in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	1
128	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	389
127	Measurement of D ⁺ and \bar{D}^+ production in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	3
126	Inclusive-jet cross sections in NC DIS at HERA and a comparison of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 691, 127-137	4.2	22
125	The FP420 R&D project: Higgs and New Physics with forward protons at the LHC. <i>Journal of Instrumentation</i> , 2009 , 4, T10001-T10001	1	92
124	Production of excited charm and charm-strange mesons at HERA. <i>European Physical Journal C</i> , 2009 , 60, 25-45	4.2	21

123	Measurement of charged current deep inelastic scattering cross sections with a longitudinally polarised electron beam at HERA. <i>European Physical Journal C</i> , 2009 , 61, 223-235	4.2	26
122	Measurement of high-Q ² neutral current deep inelastic e ⁺ p scattering cross sections with a longitudinally polarised electron beam at HERA. <i>European Physical Journal C</i> , 2009 , 62, 625-658	4.2	27
121	Measurement of D ⁺ and D ⁰ production in deep inelastic scattering using a lifetime tag at HERA. <i>European Physical Journal C</i> , 2009 , 63, 171-188	4.2	27
120	Subjet distributions in deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2009 , 63, 527-548	4.2	7
119	Diffraction photoproduction of dijets in ep collisions at HERA. <i>European Physical Journal C</i> , 2008 , 55, 177-191	4.2	32
118	The design and performance of the ZEUS micro vertex detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 581, 656-686	1.2	63
117	Measurement of prompt photons with associated jets in photoproduction at HERA. <i>European Physical Journal C</i> , 2007 , 49, 511-522	4.2	22
116	Measurement of neutral current cross sections at high Bjorken-x with the ZEUS detector at HERA. <i>European Physical Journal C</i> , 2007 , 49, 523-544	4.2	4
115	Search for stop production in R-parity-violating supersymmetry at HERA. <i>European Physical Journal C</i> , 2007 , 50, 269	4.2	14
114	Photoproduction of events with rapidity gaps between jets at HERA. <i>European Physical Journal C</i> , 2007 , 50, 283-297	4.2	6
113	Measurement of open beauty production at HERA in the D [*] final state. <i>European Physical Journal C</i> , 2007 , 50, 299-314	4.2	17
112	Measurement of K ⁰ _S and Λ production at HERA. <i>European Physical Journal C</i> , 2007 , 51, 1-23	4.2	17
111	Measurement of azimuthal asymmetries in neutral current deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2007 , 51, 289-299	4.2	12
110	Diffraction photoproduction of D [*] (2010) at HERA. <i>European Physical Journal C</i> , 2007 , 51, 301-315	4.2	16
109	Forward-jet production in deep inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2007 , 52, 515-530	4.2	11
108	Dijet production in diffraction deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2007 , 52, 813-832	4.2	28
107	Construction and test of the final CMS Barrel Drift Tube Muon Chamber prototype. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 480, 658-669	1.2	13
106	Dijet cross sections in photoproduction at HERA. <i>European Physical Journal C</i> , 1998 , 1, 109	4.2	27

105	Diffractive dijet cross sections in photoproduction at HERA. <i>European Physical Journal C</i> , 1998 , 5, 41-56	4.2	6
104	Study of magnetic field effects in drift tubes for the barrel muon chambers of the CMS detector at the LHC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998 , 416, 243-252	1.2	7
103	Event shape analysis of deep inelastic scattering events with a large rapidity gap at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 421, 368-384	4.2	24
102	Measurement of the diffractive structure function $F_2^D(4)$ at HERA. <i>European Physical Journal C</i> , 1998 , 1, 81-96	4.2	55
101	Dijet cross sections in photoproduction at HERA. <i>European Physical Journal C</i> , 1998 , 1, 109-122	4.2	23
100	A SPECTROMETER TO STUDY ELASTIC AND DIFFRACTIVE PHYSICS AT LHC. <i>International Journal of Modern Physics A</i> , 1998 , 13, 3993-4009	1.2	
99	Measurement of the diffractive structure function $F_2^D(4)$ at HERA 1998 , 1, 81		49
98	Measurement of the proton and deuteron structure functions, F_2^p and F_2^d , and of the ratio. <i>Nuclear Physics B</i> , 1997 , 483, 3-43	2.8	285
97	Accurate measurement of F_2^d/F_2^p and R_d/R_p . <i>Nuclear Physics B</i> , 1997 , 487, 3-26	2.8	107
96	Measurement of the proton structure function F_2 and at low and very low x at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 407, 432-448	4.2	123
95	Comparison of ZEUS data with standard model predictions for $e+p \rightarrow e+X$ scattering at high x and Q^2 . <i>Zeitschrift für Physik C-Particles and Fields</i> , 1997 , 74, 207-220		123
94	Differential cross sections of photoproduction in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 401, 192-206	4.2	19
93	production in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 407, 402-418	4.2	85
92	Observation of isolated high-ET photons in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 413, 201-216	4.2	25
91	Observation of scaling violations in scaled momentum distributions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 414, 428-443	4.2	11
90	DIPSI: a Monte Carlo generator for elastic vector meson production in charged lepton-proton scattering. <i>Computer Physics Communications</i> , 1997 , 100, 195-214	4.2	9
89	The A dependence of the nuclear structure function ratios. <i>Nuclear Physics B</i> , 1996 , 481, 3-22	2.8	20
88	The Q^2 dependence of the structure function ratio $F_2^{\text{Sn}}/F_2^{\text{C}}$ and the difference $R_{\text{Sn}} - R_{\text{C}}$ deep inelastic muon scattering. <i>Nuclear Physics B</i> , 1996 , 481, 23-39	2.8	16

87	Inclusive charged particle distributions in deep inelastic scattering events at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 70, 1-15		30
86	Measurement of the F_2 structure function in deep inelastic $e+p$ scattering using 1994 data from the ZEUS detector at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 72, 399-424		132
85	Study of charged-current interactions at $Q^2 > 200 \text{ GeV}^2$ with the ZEUS detector at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 72, 47-64		18
84	Rapidity gaps between jets in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 369, 55-68	4.2	51
83	Measurement of elastic γ -photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 377, 259-272	4.2	73
82	Measurement of the reaction in deep inelastic $e+p$ scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 380, 220-234	4.2	36
81	Observation of events with an energetic forward neutron in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 388-400	4.2	31
80	Dijet angular distributions in direct and resolved photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 401-413	4.2	33
79	Measurement of the F_2 structure function in deep inelastic $e+p$ scattering using 1994 data from the ZEUS detector at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 72, 399-424		
78	The A dependence of the nuclear structure function ratios The New Muon Collaboration (NMC). <i>Nuclear Physics B</i> , 1996 , 481, 3-22	2.8	38
77	The Q^2 dependence of the structure function ratio r_2 and the difference $R_{Sn} - R_C$ in deep inelastic muon scattering The New Muon Collaboration (NMC). <i>Nuclear Physics B</i> , 1996 , 481, 23-39	2.8	36
76	Measurement of the diffractive structure function in deep inelastic scattering at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 68, 569-584		97
75	Inclusive jet differential cross sections in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 342, 417-432	4.2	32
74	Extraction of the gluon density of the proton at x . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 576-588	4.2	69
73	Observation of hard scattering in photoproduction events with a large rapidity gap at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 346, 399-414	4.2	23
72	Study of $D^*(2010)^0$ production in ep collisions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 349, 225-237	4.2	38
71	Dijet cross sections in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 348, 665-680	4.2	65
70	Measurement of the cross section for the reaction $\bar{p} \rightarrow J/\psi$ with the ZEUS detector at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 350, 120-134	4.2	75

69	Study of the photon remnant in resolved photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 354, 163-177	4.2	28
68	Diffractive hard photoproduction at HERA and evidence for the gluon content of the pomeron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 356, 129-146	4.2	53
67	Exclusive π^0 production in deep inelastic electron-proton scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 356, 601-616	4.2	65
66	Measurement of β_s from jet rates in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 363, 201-216	4.2	24
65	Measurement of the proton and the deuteron structure functions, F_2^p and F_2^d . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 364, 107-115	4.2	190
64	Measurement of the proton structure function F_2 from the 1993 HERA data. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 65, 379-398		116
63	Jet production in high Q^2 deep-inelastic ep scattering at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 81-92		6
62	Measurement of multiplicity and momentum spectra in the current fragmentation region of the Breit frame at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 93-107		29
61	Inclusive transverse momentum distributions of charged particles in diffractive and non-diffractive photoproduction at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 227-237		20
60	A search for excited fermions in electron-proton collisions at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 65, 627-647		12
59	Neutral strange particle production in deep inelastic scattering at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 68, 29-42		22
58	Diffractive production of vector mesons in muon scattering on nucleons and nuclei 1995 , 108, 1247-1258		1
57	Measurement of charged and neutral current e-p deep inelastic scattering cross sections at high Q^2 . <i>Physical Review Letters</i> , 1995 , 75, 1006-1011	7.4	30
56	A re-evaluation of the nuclear structure function ratios for D, He, ^6Li , C and Ca. <i>Nuclear Physics B</i> , 1995 , 441, 3-11	2.8	151
55	The structure function ratios F_2^C/F_2^D and F_2^C/F_2^D at small x. <i>Nuclear Physics B</i> , 1995 , 441, 12-30	2.8	128
54	Measurement of elastic π^0 photoproduction at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 69, 39-54		2
53	Measurement of the proton structure function F_2 at low x and low Q^2 at HERA. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 69, 607-620		3
52	Nuclear effects in structure functions. <i>Physics Reports</i> , 1994 , 240, 301-393	27.7	343

51	Testing and installation of ZEUS Leading Proton Spectrometer detector planes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994 , 342, 260-263	1.2	4
50	Comparison of energy flows in deep inelastic scattering events with and without a large rapidity gap. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 338, 483-496	4.2	26
49	Quasielastic J/ψ production from hydrogen, deuterium, carbon and tin. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 332, 195-200	4.2	30
48	Observation of jet production in deep inelastic scattering with a large rapidity gap at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 332, 228-243	4.2	62
47	Observation of direct processes in photoproduction at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 322, 287-300	4.2	67
46	Measurement of total and partial photon proton cross sections at 180 GeV center of mass energy. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 63, 391-408		175
45	Reevaluation of the Gottfried sum. <i>Physical Review D</i> , 1994 , 50, R1-R3	4.9	259
44	Exclusive η and η' production at large Q^2 . <i>Nuclear Physics B</i> , 1994 , 429, 503-529	2.8	79
43	Measurement of the proton structure function F_2 in ep scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 316, 412-426	4.2	209
42	Observation of two-jet production in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 306, 158-172	4.2	19
41	Search for leptoquarks with the ZEUS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 306, 173-186	4.2	52
40	Quark and gluon distributions and χ^2 from nucleon structure functions at low x . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 309, 222-230	4.2	53
39	Hadronic energy distributions in deep-inelastic electron-proton scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 59, 231-242		22
38	Search for excited electrons using the ZEUS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 316, 207-218	4.2	11
37	Observation of events with a large rapidity gap in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 315, 481-493	4.2	233
36	Transverse momentum distributions for exclusive η production. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 54, 239-245		28
35	The ratio F_2^n/F_2^p in deep inelastic muon scattering. <i>Nuclear Physics B</i> , 1992 , 371, 3-31	2.8	112
34	Ratio of J/ψ production cross sections in deep inelastic muon scattering from tin and carbon. <i>Nuclear Physics B</i> , 1992 , 371, 553-566	2.8	51

33	Proton and deuteron F2 structure functions in deep inelastic muon scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 295, 159-168	4.2	227
32	Precision measurement of structure function ratios for ${}^6\text{Li}$, ${}^{12}\text{C}$ and ${}^{40}\text{Ca}$. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 53, 73-77		30
31	Measurements of R_d - R_p and R_{Ca} - R_c in deep inelastic muon scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 294, 120-126	4.2	39
30	Precision measurement of the structure function ratios $F_2^{\text{He2}}/F_2^{\text{D2}}$, $F_2^{\text{C2}}/F_2^{\text{D2}}$ and $F_2^{\text{Ca2}}/F_2^{\text{D2}}$. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1991 , 51, 387-393		95
29	Inelastic production in deep inelastic scattering from hydrogen and deuterium and the gluon distribution of free nucleons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 258, 493-498	4.2	57
28	Gottfried sum from the ratio F_2^n/F_2^p . <i>Physical Review Letters</i> , 1991 , 66, 2712-2715	7.4	446
27	Advances in technology for high-energy subnuclear physics Contribution of the LAA project. <i>Rivista Del Nuovo Cimento</i> , 1990 , 13, 1-228	3.5	2
26	The LAA project. <i>Rivista Del Nuovo Cimento</i> , 1990 , 13, 1-131	3.5	3
25	Measurement of the neutron and the proton F2 structure function ratio. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 249, 366-372	4.2	57
24	Diffractive physics at HERA. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1990 , 12, 149-158		10
23	Measurements of the nucleon structure function in the range 0.002. <i>Nuclear Physics B</i> , 1990 , 333, 1-47	2.8	126
22	Measurements of the u valence quark distribution function in the proton and u quark fragmentation functions. <i>Nuclear Physics B</i> , 1989 , 321, 541-560	2.8	66
21	Charge structure of the hadronic final state in deep-inelastic muon-nucleon scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1988 , 40, 347-355		4
20	Shadowing in deep inelastic muon scattering from nuclear targets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988 , 211, 493-499	4.2	118
19	Measurement of hadron azimuthal distributions in deep inelastic muon proton scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1987 , 34, 277-282		68
18	Strangeness production in deep inelastic muon nucleon scattering at 280 GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1987 , 34, 283-291		14
17	Charm production in deep inelastic muon-iron interactions at 200 GeV/c. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1987 , 35, 1-6		10
16	Comparison of multiplicity distributions to the negative binomial distribution in muon-proton scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1987 , 35, 335-345		49

15	Comparison between hadronic final states produced in \bar{p} and e^+e^- interactions. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1987 , 35, 417-431		15
14	Proton and antiproton production in deep inelastic muon-nucleon scattering at 280 GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1987 , 35, 433-441		5
13	Jet production and fragmentation properties in deep inelastic muon scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1987 , 36, 527-543		8
12	\bar{D} and D production in deep inelastic $\bar{e}p$ interactions at 280 GeV/c. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1986 , 33, 167-173		19
11	The Bose-Einstein correlations in deep inelastic \bar{p} interactions at 280 GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1986 , 32, 1-9		25
10	Investigation of the W and Q^2 dependence of charged pion distributions in \bar{p} scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1986 , 31, 1-12		19
9	Charge and transverse momentum correlations in deep inelastic muon-proton scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1986 , 31, 333-340		13
8	Inclusive production of the $\Omega(1232)$ resonance in muon-proton scattering at 280 GeV/c. <i>Nuclear Physics B</i> , 1986 , 264, 739-751	2.8	8
7	Studies of quark and diquark fragmentation into identified hadrons in deep inelastic muon-proton scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 150, 458-463	4.2	41
6	Hadron multiplicity variation with Q^2 and scale breaking of the Hadron distributions in deep inelastic muon-proton scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 165, 222-228	4.2	12
5	Multiplicities of charged hadrons in 280 GeV/c muon-proton scattering. <i>Nuclear Physics B</i> , 1985 , 258, 249-266	2.8	47
4	Transverse momentum and its compensation in current and target jets in deep inelastic muon-proton scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 149, 415-420	4.2	32
3	Quark and diquark fragmentation into neutral strange particles as observed in muon-proton interactions at 280 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 145, 156-162	4.2	17
2	Quark charge retention in final state hadrons from deep inelastic muon scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984 , 144, 302-308	4.2	28
1	The vertex and large angle detectors of a spectrometer system for high energy muon physics. <i>Nuclear Instruments & Methods in Physics Research</i> , 1983 , 212, 111-124		32