

СПИСОК НАУЧНЫХ ТРУДОВ Лохтина И.П.

NN п/п	Наименование трудов	Рук. или печ.	Название издательства, журнала (номер, год)	Кол. стр.	Фамилии соавторов работ
1	2	3	4	5	6
1	Effective number of inelastically interacting nucleons in rare nucleus-nucleus production processes.	печ.	Preprint NPI MSU 92-35/284, Moscow, 1992	19	Korotkikh V.L.
2	Эффективное число неупруго взаимодействующих нуклонов в редких ядро-ядерных процессах рождения.	печ.	Ядерная физика, т.56, вып.8, 1993, с.204-215	12	Коротких В.Л.
3	High- $p_T$ particles production and $\mu^+\mu^-$ -pair mass spectra in $\Upsilon$ -resonance region in Pb-Pb collisions at LHC energies $\sqrt{s} = 6.3A$ TeV.	печ.	Preprint NPI MSU 94-29/351, Moscow, 1994	17	Galkin V.I., Korotkikh V.L., Sarycheva L.I.
4	The properties of jets produced in nucleus-nucleus interactions at LHC energies $\sqrt{s} = 6.3A$ TeV.	печ.	Preprint NPI MSU 94-30/352, Moscow, 1994	14	Korotkikh V.L., Kruglov N.A., Sarycheva L.I.
5	The Compact Muon Solenoid: Technical Proposal	печ.	CERN, LHCC-94-38, 1994	268	Della Negra M. et al. (CMS Collaboration)
6	Jet and dijet extraction in heavy ion collisions in CMS detector on LHC.	печ.	Preprint NPI MSU 95-7/371, Moscow, 1995	14	Korotkikh V.L., Kruglov N.A., Sarycheva L.I., Vardanyan I.N.
7	Heavy ion physics at LHC with the Compact Muon Solenoid.	печ.	Proc. of Intern. Workshop "Physics with the Collider Detectors at RHIC and the LHC", Monterey, USA, 1995, p.175-182	8	Bedjidian M. et al.
8	Multiple scattering of hard jets in quark-gluon plasma with viscosity and transverse expansion.	печ.	Preprint NPI MSU 95-33/397, Moscow, 1995	15	Snigirev A.M.
9	The model of transverse expansion of quark-gluon fluid with phase transition and hadron spectra in heavy ion collisions.	печ.	Preprint NPI MSU 96-5/412, Moscow, 1995	17	Snigirev A.M.

1	2	3	4	5	6
10	A model of transverse expansion of quark-gluon fluid with phase transition and hadron spectra in heavy ion collisions.	печ.	Physics Letters 378B, 1996, p.247-254	8	Snigirev A.M.
11	Многokратное рассеяние жестких струй в кварк-глюонной плазме с вязкостью и поперечным расширением.	печ.	Ядерная физика, т.59, вып.10, 1996, с.1823-1830	8	Снигирев А.М.
12	Смешанная фаза в модели поперечного расширения кварк-глюонной плазмы.	печ.	Ядерная физика т.60, вып.1, 1997, с.125-130	6	Снигирев А.М., Хрущев В.В.
13	Подавление жестких струй в вязкой кварк-глюонной плазме.	печ.	Ядерная физика т.60, вып.2, 1997, с.360-364	5	Снигирев А.М.
14	Probing the space-time evolution of hot parton matter by hard jets.	печ.	Zeitschrift fur Physik C73, 1997, p.315-320	6	Snigirev A.M.
15	Radiative energy loss of hard parton jet in expanding quark-gluon fluid.	печ.	Preprint NPI MSU 97-10/461, Moscow, 1997	12	Snigirev A.M.
16	Гидродинамика паргонной материи и механизмы генерации адронных струй в ультрарелятивистских столкновениях ядер.	рук.	Автореферат на соискание ученой степени канд. физ.-мат. наук, Москва, 1997	17	
17	On the problem of hard jet recognition in heavy ion collisions.	печ.	Zeitschrift fur Physik C76, 1997, p.99-105	7	Kruglov N.A., Sarycheva L.I., Snigirev A.M.
18	CMS Hadron Calorimeter Project: Technical Design Report	печ.	CERN, LHCC-97-31, 1997	451	Della Negra M. et al. (CMS Collaboration)
19	CMS Muon Project: Technical Design Report	печ.	CERN, LHCC-97-32, 1997	441	Della Negra M. et al. (CMS Collaboration)
20	CMS Electromagnetic Calorimeter Project: Technical Design Report	печ.	CERN, LHCC-97-33, 1997	364	Della Negra M. et al. (CMS Collaboration)
21	CMS Tracker System Project: Technical Design Report	печ.	CERN, LHCC-98-6, 1998	539	Della Negra M. et al. (CMS Collaboration)
22	Studies of dijet and monojet rates in heavy ion collisions with CMS.	печ.	CERN CMS NOTE 1998/025	10	Sarycheva L.I., Snigirev A.M., Vardanyan I.N.
23	Search for quark-gluon plasma and jet production in ultra-relativistic ion collisions	печ.	Czechoslovak Journal of Physics 48/S1, 1998, p.51-56	6	Snigirev A.M.

1	2	3	4	5	6
24	Study of $\gamma$ +Jet channel in heavy ion collisions with CMS	печ.	CERN CMS NOTE 1998/063	17	Kodolova O.L., Nikitenko A., Sarycheva L.I., Snigirev A.M., Vardanyan I.N.
25	Angular structure of energy losses of hard jet in dense QCD-matter.	печ.	Physics Letters 440B, 1998, p.163-169	7	Snigirev A.M.
26	Estimations of Level 1 calo trigger rates in heavy ion collisions at CMS	печ.	CERN CMS NOTE 1998/078	14	Kodolova O.L., Kvatadze R., Nikitenko A., Sarycheva L.I., Snigirev A.M., Vardanyan I.N.
27	Jet physics in CMS heavy ion programme	печ.	CERN CMS NOTE 1999/016	14	Bedjidian M. et al.
28	Рождение пар струй и одиночных струй в зависимости от энергетического порога регистрации в ультрарелятивистских столкновениях ядер.	печ.	Ядерная физика, т.62, вып.7, 1999, с.1333-1342	10	Сарычева Л.И., Снигирев А.М.
29	Диагностика сверхплотной материи в ультрарелятивистских столкновениях ядер.	печ.	Физика элементарных частиц и атомного ядра, т.30, вып.3, 1999, с.660-719	60	Сарычева Л.И., Снигирев А.М.
30	Центавр-события и возможность их регистрации с помощью установки CMS на коллайдере LHC	печ.	Препринт НИИЯФ МГУ 99-33/591, Москва, 1999	15	Петрушанко С.В., Сарычева Л.И.
31	In-medium energy loss and jet characteristics in nuclear collisions	печ.	Proc. of RIKEN BNL Research Center Workshop "Hard parton physics in high-energy nuclear collisions", BNL-52574, 1999, p.10-15	6	
32	Heavy Ion Physics with Compact Muon Solenoid at LHC	печ.	Proc. of 14th International Workshop on High Energy Physics and Quantum Field Theory, Moscow, Russia, 1999, p.180-196	17	Sarycheva L.I.

1	2	3	4	5	6
33	In-medium parton energy losses and characteristics of hadronic jets in ultra-relativistic nuclear collisions	печ.	Proc. of the XXXIVth Recontres de Moriond "QCD and High Energy Hadronic Interactions", Le Arc, France, 1999, p.241-244	4	
34	Nuclear geometry of jet quenching	печ.	European Physical Journal C 16, 2000, p.527-536	10	Snigirev A.M.
35	Diagnostics of quark-gluon plasma in ultrarelativistic nuclear collisions	печ.	Proc. of 15th International Workshop on High Energy Physics and Quantum Field Theory, Moscow, Russia, 2000, p.184-191	7	
36	Diagnostics of quark-gluon plasma in ultrarelativistic heavy ion collisions by hard QCD-processes	печ.	Proc. of 15th International Seminar on High Energy Physics Problems "Relativistic Nuclear Physics and Quantum Chromodynamics", Dubna, Russia, 2000, p.207-213	7	
37	CMS TriDAS Project: Technical Design Report, Volume 1: The Trigger Systems	печ.	CERN, LHCC-2000-38, 2000	599	Della Negra M. et al. (CMS Collaboration)
38	High-mass dimuon and secondary $J/\psi$ production at CMS as probes of medium-induced bottom quark energy loss in heavy ion collisions	печ.	Journal of Physics G 27, 2001, p.2365-2377	13	Snigirev A.M.
39	Жесткие КХД-процессы и зависимость потерь энергии партонов от параметра удара в ультрарелятивистских соударениях ядер.	печ.	Ядерная физика, т.64, вып.8, 2001, с.1563-1575	13	Снигирев А.М.
40	Probing the medium-induced energy loss of bottom quarks by dimuon production in heavy ion collisions at LHC	печ.	European Physical Journal C 21, 2001, p.155-162	8	Snigirev A.M.

1	2	3	4	5	6
41	Heavy ion studies with CMS HF calorimeter	печ.	Письма в ЭЧАЯ, т.107, вып. 4, 2001, с.93-109	17	Damgov J. et al.
42	High-mass dimuon, $BB$ and $B \rightarrow J/\psi$ production in ultrarelativistic nucleus-nucleus interactions	печ.	Proc. of International Workshop on Physics of Quark-Gluon Plasma, Palaiseau, France, 2001, p.300-305	6	
43	High-mass dimuon and secondary charmonium production in ultrarelativistic heavy ion collisions	печ.	Nuclear Physics A 702, 2002, p.346-350	5	Snigirev A.M.
44	Особенности регистрации струй в HF-калориметре установки CMS на LHC	печ.	Препринт НИИЯФ МГУ 2002-8/692, Москва, 2002	21	Никитенко А.Н., Петрушанко С.В., Сарычева Л.И., Теплов К.Ю.
45	Азимутальная асимметрия рождения струй как сигнал потерь энергии партонов в полу-центральных соударениях тяжелых ионов.	печ.	Ядерная физика, т.65, вып.5, 2002, с.974-983	10	Петрушанко С.В., Сарычева Л.И., Снигирев А.М.
46	A method for analysing the jet azimuthal anisotropy in ultrarelativistic heavy ion collisions	печ.	Physics Letters 537B, 2002, p.261-267	7	Sarycheva L.I., Snigirev A.M.
47	Рождение и перерасеяние тяжелых кварков в ультрарелятивистских ядро-ядерных взаимодействиях	печ.	Ядерная физика, т.65, вып.9, 2002, с.1777-1787	11	Снигирев А.М.
48	Jet quenching in heavy ion collisions at LHC	печ.	Proc. of XXXII International Symposium on Multiparticle Dynamics, Alushta, Crimea, Ukraine, 2002, p.163-166	4	
49	Jet quenching studies in CMS experiment at LHC: B-meson and jet production	печ.	Proc. of XVI International Baldin Seminar on High Energy Physics Problems "Relativistic Nuclear Physics and Quantum Chromodynamics Dubna, Russia, 2002, p.279-285	7	

1	2	3	4	5	6
50	Jet quenching studies in heavy ion collisions with CMS detector at the LHC	печ.	Proc. of 3rd International Sakharov Conference on Physics, Moscow, Russia, 2002, p.669-676	8	
51	CMS TriDAS Project: Technical Desigh Report, Volume 2, Data Acquisition and High-Level Trigger	печ.	CERN, LHCC-2002-26, 2002	468	Cittolin S. et al. (CMS Collaboration)
52	Azimuthal anisotropy of jet quenching at LHC	печ.	Pramana - Journal of Physics 60, 2003, p.1045-1049	5	Petrushanko S.V., Sarycheva L.I., Snigirev A.M.
53	Measuring the jet azimuthal anisotropy without reconstruction of the reaction plane	печ.	Nuclear Physics A 715, 2003, p.633-636	4	Sarycheva L.I., Snigirev A.M.
54	Partonic energy loss in ultrarelativistic heavy ion collisions: jet suppression versus jet fragmentation softening	печ.	Physics Letters 567B, 2003, p.39-45	7	Snigirev A.M.
55	Azimuthal anisotropy and jet quenching in heavy ion collisions with CMS calorimetry	печ.	CERN CMS NOTE 2003/019	11	Petrushanko S.V., Sarycheva L.I., Snigirev A.M.
56	Extracting the jet azimuthal anisotropy from higher order cumulants	печ.	European Physical Journal C 30, 2003, p.103-109	7	Sarycheva L.I., Snigirev A.M.
57	Определение азимутальных характеристик струй без измерения угла плоскости реакции	печ.	Ядерная физика, т.66, вып.12, 2003, с.2250-2258	9	Сарычева Л.И., Снигирев А.М.
58	Using calorimetry to investigate the azimuthal anisotropy in heavy ion collisions	печ.	Proc. of NATO Advanced Study Institute on Structure and Dynamics of Elementary Matter, Kemer, Turkey, 2003, p.649-652	4	Petrushanko S.V., Sarycheva L.I., Snigirev A.M.
59	Jet quenching studies in heavy ion collisions at LHC	печ.	Proc. of NATO Advanced Study Institute on Structure and Dynamics of Elementary Matter, Kemer, Turkey, 2003, p.653-656	4	Snigirev A.M.

1	2	3	4	5	6
60	Heavy Ion Physics Programme in CMS	печ.	European Physical Journal C 32 S2, 2004, p.69-202	184	Baur G. et al.
61	Fast simulation of jet quenching in ultrarelativistic heavy ion collisions	печ.	Preprint SINP MSU 2004-13/752, Moscow, 2004	11	Snigirev A.M.
62	Fast simulation of flow effects in central and semi-central heavy ion collisions at LHC	печ.	Preprint SINP MSU 2004-14/753, Moscow, 2004	9	Snigirev A.M.
63	Calorimetric transverse energy-energy correlations as a probe of jet quenching	печ.	European Physical Journal C 36, 2004, p.375-379	5	Sarycheva L.I., Snigirev A.M.
64	$P_T$ -imbalance in dimuon+jet production as a signal of partonic energy loss in heavy ion collisions at LHC	печ.	Physics Letters 599B, 2004, p.260-268	9	Sherstnev A.V., Snigirev A.M.
65	Medium-modified fragmentation of b-jets tagged by a leading muon in ultrarelativistic heavy ion collisions	печ.	European Physical Journal C 37, 2004, p.465-469	5	Sarycheva L.I., Snigirev A.M., Teplov K.Yu.
66	Определение центральности в соударениях тяжелых ионов с помощью передних калориметров установки CMS на LHC	печ.	Препринт НИИЯФ МГУ 2004-22/761, Москва, 2004	23	Сарычева Л.И., Теплов К.Ю.
67	Jet physics	печ.	Hard probes in heavy ion collisions at the LHC, ed. by M. Mangano, H. Satz, U. Wiedemann, CERN Report 2004-09, p.123-246	124	Accardi A. et.al.
68	Heavy flavour physics	печ.	Hard probes in heavy ion collisions at the LHC, ed. by M. Mangano, H. Satz, U. Wiedemann, CERN Report 2004-09, p.247-366	120	Bedjidian M. et.al.
69	Photon physics in heavy ion collisions at the LHC	печ.	Hard probes in heavy ion collisions at the LHC, ed. by M. Mangano, H. Satz, U. Wiedemann, CERN Report 2004-09, p.367-493	127	Arleo F. et.al.

1	2	3	4	5	6
70	Модификация функции фрагментации струи в ультрарелятивистских соударениях ядер и ее определение в канале с рождением лидирующего $\pi^0$	печ.	Ядерная физика, т.68, вып.2, 2005, с.357-365	9	Варданян И.Н., Сарычева Л.И., Снигирев А.М., Теплов К.Ю.
71	CMS Computing Project: Technical Desigh Report	печ.	CERN, LHCC-2005-023, 2005	137	Bayatian G.L. et al. (CMS Collaboration)
72	Jet activity versus alignment	печ.	European Physical Journal C 44, 2005, p.51-57	7	Managadze A.K., Sarycheva L.I., Snigirev A.M.
73	О выстроенности в струйных событиях	печ.	Ядерная физика, т.69 вып.1, 2006, с.117-123	7	Манагадзе А.К., Сарычева Л.И., Снигирев А.М.
74	CMS Physics: Technical Desigh Report, Volume I, Detector Performance and Software	печ.	CERN, LHCC-2006-001, 2006	510	Bayatian G.L. et al. (CMS Collaboration)
75	A model of jet quenching in ultrarelativistic heavy ion collisions and high- $p_T$ hadron spectra RHIC	печ.	European Physical Journal C 45, 2006, p.211-217	7	Snigirev A.M.
76	Диагностика кварк-глюонной плазмы с помощью жестких КХД-процессов в ультрарелятивистских соударениях ядер	рук.	Автореферат на соискание ученой степени докт. физ.-мат. наук, Москва, 2006	32	
77	Rapidity-dependence of jet shape broadening and quenching	печ.	Physical Review C 73, 2006, p. 0649051-06490512	8	Petrushanko S.V., Sarycheva L.I., Snigirev A.M.
78	Корреляции поперечной энергии и форма струй в столкновениях ультрарелятивистских ядер	печ.	Ядерная физика, т.69, вып.9, 2006, с.1643-1655	13	Петрушанко С.В., Сарычева Л.И., Снигирев А.М.
79	Jet Physics in Heavy Ion Collisions with Compact Muon Solenoid Detector at LHC	печ.	Journal of Physics: Conference Series 50, 2006, p. 385-388	4	
80	A Fast hadron freeze-out generator	печ.	Physical Review C 74, 2006, p.0649011-06490112	12	Amelin N.S., Lednicky R., Pocheptsov T.A., Malinina L.V., Snigirev A.M., Karpenko Iu.A., Sinyukov Yu.M.
81	Simulation of jet quenching in heavy ion collisions	печ.	Proc. of XXXIII International Conference on High Energy Physics, Moscow, Russia, 2006, p.401-404	4	Snigirev A.M.



1	2	3	4	5	6
82	CMS Physics Performance: Physics Technical Design Report, Volume II	печ.	Journal of Physics G 34, 2007, p. 995-1579	585	Bayatian G.L. et al. (CMS Collaboration)
83	CMS Physics Technical Design Report, Volume II: "Addendum on High Density QCD with Heavy Ions"	печ.	Journal of Physics G 34, 2007, p. 2307-2455	149	d'Enterria D. et al. (CMS Collaboration)
84	Simulation of jet quenching at RHIC and LHC	печ.	Journal of Physics G 34, 2007, p. S999-S1003	4	Snigirev A.M.
85	Simulation of jet quenching and high- $p_T$ particle production at RHIC and LHC	печ.	Proc. of International Workshop "High- $p_T$ physics at LHC", Jyvaskala, Finland, 2007, PoS LHC07:003	10	Petrushanko S.V., Snigirev A.M., Teplov C.Yu.
86	Fast hadron freeze-out generator, part II: noncentral collisions	печ.	Physical Review C 77, 2008, p. 0149031-01490311	11	Amelin N.S., Lednicky R., Malinina L.V., Snigirev A.M., Karpenko Iu.A., Sinyukov Yu.M., Arsene I., Bravina L.
87	Heavy Ion Collisions at the LHC - Last Call for Predictions	печ.	Journal of Physics G 35, 2008, p. 054001	170	Abreu S. et al.
88	The CMS experiment at the CERN LHC	печ.	Journal of Instrumentation 3, 2008, p. S08004	361	Chatrchyan S. et al. (CMS Collaboration)
89	Эллиптический поток частиц в соударениях тяжелых ионов и возможность его измерения при энергиях LHC	печ.	Ядерная физика, т.71, вып.12, 2008, с. 2179-2188	10	Коротких В.Л., Петрушанко С.В., Сарычева Л.И., Снигирев А.М., Эйюбова Г.Х.
90	Capabilities of the CMS detector for studies of hard probes in heavy ion collisions at the LHC	печ.	Proc. of International Workshop "High- $p_T$ physics at LHC", Tokaj, Hungary, 2008, PoS HIGH-pTLHC08:001	8	
91	Recent developments on HYDJET/PYQUEN event generators and novel jet quenching observables at LHC	печ.	Proc. of International Workshop "High- $p_T$ physics at LHC", Tokaj, Hungary, 2008, PoS HIGH-pTLHC08:002	8	Malinina L.V., Petrushanko S.V., Snigirev A.M., Arsene I., Tywoniuk K.

1	2	3	4	5	6
92	Heavy ion event generator HYDJET++ (HYDroynamics plus JETs)	печ.	Computer Physics Communications, 180, 2009, p. 779-799	21	Malinina L.V., Petrushanko S.V., Snigirev A.M., Arsene I., Tywoniuk K.
93	HYDJET++ heavy ion event generator and its applications for RHIC and LHC	печ.	Proc. of International Workshop "High- $p_T$ physics at LHC", Prague, Czech Republic, 2009, PoS High- $p_T$ physics09:023	12	Malinina L.V., Petrushanko S.V., Snigirev A.M., Arsene I., Tywoniuk K.
94	HYDJET++ simulations and reconstruction of the anisotropic flow in Pb+Pb collisions at the LHC	печ.	Proc. of International Workshop "High- $p_T$ physics at LHC", Prague, Czech Republic, 2009, PoS High- $p_T$ physics09:047	10	Bravina L.V., Eyyubova G.Kh., Zabrodin E.E., Korotkikh V.L., Malinina L.V., Petrushanko S.V., Snigirev A.M.,
95	Исследование свойств сверхплотной материи в релятивистских соударениях тяжелых ионов	печ.	Сборник "В глубь материи: Физика XXI века глазами создателей экспериментального комплекса на Большом адронном коллайдере в Женеве", Москва, изд. "Этерна", 2009, с. 519-530	12	Сарычева Л.И.
96	Two mechanisms responsible for reduction of elliptic flow at the CERN Large Hadron Collider (LHC) and restoration of constituent quark scaling	печ.	Physical Review C 80, 2009, p. 0649071-0649079	9	Eyyubova G.Kh., Bravina L.V., Zabrodin E.E., Korotkikh V.L., Malinina L.V., Petrushanko S.V., Snigirev A.M.,
97	Unusual event alignment topologies in cosmic rays and expectation for the LHC	печ.	Proc. of 13th International Conference on Elastic and Diffractive Scattering "Moving Forward into the LHC Era", CERN, Geneva, Switzerland, 2009, p.308-314	7	De Roeck, A., Managadze A.K., Sarycheva L.I., Snigirev A.M.

1	2	3	4	5	6
98	Modeling the jet quenching in hot and dense QCD matter	печ.	Interdisciplinary Journal Nonlinear Phenomena in Complex Systems 12, 2009, p. 348-355	8	Malinina L.V., Petrushanko S.V., Snigirev A.M., Arsene I., Tywoniuk K.
99	Estimates of hadron azimuthal anisotropy from multiparton interactions in proton-proton collisions at $\sqrt{s} = 14$ TeV	печ.	European Physical Journal C 66, 2010, p. 173-185	13	d'Enterria D., Eyyubova G.Kh., Malinina L.V., Petrushanko S.V., Sarycheva L.I., Snigirev A.M.
100	Commissioning of the CMS experiment and the cosmic run at four Tesla	печ.	Journal of Instrumentation 5, 2010, T03001	38	Chatrchyan S. et al. (CMS Collaboration)
101	Performance of the CMS level-1 trigger during commissioning with cosmic ray muons	печ.	Journal of Instrumentation 5, 2010, T03002	50	Chatrchyan S. et al. (CMS Collaboration)
102	Performance of the CMS drift-tube local trigger with cosmic rays	печ.	Journal of Instrumentation 5, 2010, T03003	33	Chatrchyan S. et al. (CMS Collaboration)
103	Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays	печ.	Journal of Instrumentation 5, 2010, T03004	32	Chatrchyan S. et al. (CMS Collaboration)
104	Commissioning of the CMS high-level trigger with cosmic rays	печ.	Journal of Instrumentation 5, 2010, T03005	32	Chatrchyan S. et al. (CMS Collaboration)
105	CMS data processing workflows during an extended cosmic ray run	печ.	Journal of Instrumentation 5, 2010, T03006	43	Chatrchyan S. et al. (CMS Collaboration)
106	Commissioning and performance of the CMS pixel tracker with cosmic ray muons	печ.	Journal of Instrumentation 5, 2010, T03007	37	Chatrchyan S. et al. (CMS Collaboration)
107	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons	печ.	Journal of Instrumentation 5, 2010, T03008	45	Chatrchyan S. et al. (CMS Collaboration)
108	Alignment of the CMS silicon tracker during commissioning with cosmic rays	печ.	Journal of Instrumentation 5, 2010, T03009	40	Chatrchyan S. et al. (CMS Collaboration)
109	Performance and operation of the CMS electromagnetic calorimeter	печ.	Journal of Instrumentation 5, 2010, T03010	26	Chatrchyan S. et al. (CMS Collaboration)
110	Time reconstruction and performance of the CMS electromagnetic calorimeter	печ.	Journal of Instrumentation 5, 2010, T03011	40	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
111	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data	печ.	Journal of Instrumentation 5, 2010, T03012	34	Chatrchyan S. et al. (CMS Collaboration)
112	Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data	печ.	Journal of Instrumentation 5, 2010, T03013	30	Chatrchyan S. et al. (CMS Collaboration)
113	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter	печ.	Journal of Instrumentation 5, 2010, T03014	30	Chatrchyan S. et al. (CMS Collaboration)
114	Performance of the CMS drift tube chambers with cosmic rays	печ.	Journal of Instrumentation 5, 2010, T03015	46	Chatrchyan S. et al. (CMS Collaboration)
115	Calibration of the CMS drift tube chambers and measurement of the drift velocity with cosmic rays	печ.	Journal of Instrumentation 5, 2010, T03016	38	Chatrchyan S. et al. (CMS Collaboration)
116	Performance study of the CMS barrel resistive plate chambers with cosmic rays	печ.	Journal of Instrumentation 5, 2010, T03017	32	Chatrchyan S. et al. (CMS Collaboration)
117	Performance of the CMS cathode strip chambers with cosmic rays	печ.	Journal of Instrumentation 5, 2010, T03018	39	Chatrchyan S. et al. (CMS Collaboration)
118	Aligning the CMS muon chambers with the muon alignment system during an extended cosmic ray run	печ.	Journal of Instrumentation 5, 2010, T03019	34	Chatrchyan S. et al. (CMS Collaboration)
119	Alignment of the CMS muon system with cosmic-ray and beam-halo muons	печ.	Journal of Instrumentation 5, 2010, T03020	41	Chatrchyan S. et al. (CMS Collaboration)
120	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays	печ.	Journal of Instrumentation 5, 2010, T03021	36	Chatrchyan S. et al. (CMS Collaboration)
121	Performance of CMS muon reconstruction in cosmic-ray events	печ.	Journal of Instrumentation 5, 2010, T03022	47	Chatrchyan S. et al. (CMS Collaboration)
122	Measurement of the muon stopping power in lead tungstate	печ.	Journal of Instrumentation 5, 2010, P03007	31	Chatrchyan S. et al. (CMS Collaboration)
123	Transverse momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 0.9$ and 2.36 TeV	печ.	Journal of High Energy Physics 1002, 2010, p.041	19	Khachatryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
124	First measurement of Bose-Einstein correlations in proton-proton collisions at $\sqrt{s} = 0.9$ and 2.36 TeV at the LHC	печ.	Physical Review Letters 105, 2010, p.032001	24	Khachatryan V. et al. (CMS Collaboration)
125	Transverse momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 105, 2010, p.022002	26	Khachatryan V. et al. (CMS Collaboration)
126	Measurement of the charge ratio of atmospheric muons with the CMS detector	печ.	Physical Letters B 692, 2010, p.83-104	22	Khachatryan V. et al. (CMS Collaboration)
127	Observation of long-range near-side angular correlations in proton-proton collisions at the LHC	печ.	Journal of High Energy Physics 1009, 2010, p.091	37	Khachatryan V. et al. (CMS Collaboration)
128	Influence of jets and resonance decays on the constituent quark scaling of elliptic flow	печ.	Journal of Physics G 37, 2010, p.094060	6	Zabrodin E., Bravina L., Eyyubova G., Malinina L., Petrushanko S., Snigirev A.,
129	Модель релятивистских соударений тяжелых ионов HYDJET++	печ.	Ядерная физика, т.73, вып.12, 2010, с. 2196-2204	9	Малинина Л.В., Петрушанко С.В., Снигирев А.М.
130	Search for dijet resonances in 7 TeV pp collisions at CMS	печ.	Physical Review Letters 105, 2010, p.211801	14	Khachatryan V. et al. (CMS Collaboration)
131	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV	печ.	European Physical Journal C 70, 2010, p.555-572	18	Khachatryan V. et al. (CMS Collaboration)
132	Study of various photomultiplier tubes with muon beams and Cherenkov light produced in electron showers	печ.	Journal of Instrumentation 5, 2010, p.06002	20	Chatrchyan S. et al. (CMS HCAL Collaboration)
133	CMS tracking performance results from early LHC operation	печ.	European Physical Journal C 70, 2010, p.1165-1192	28	Khachatryan V. et al. (CMS Collaboration)
134	Search for quark compositeness with the dijet centrality ratio in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 105, 2010, p.262001	15	Khachatryan V. et al. (CMS Collaboration)
135	First measurement of the cross section for top-quark pair production in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Letters B 695, 2011, p.424-443	20	Khachatryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
136	Search for stopped gluinos in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 106, 2011, p.011801	15	Khachatryan V. et al. (CMS Collaboration)
137	The MPD detector at the NICA heavy-ion collider at JINR	печ.	Nuclear Instruments and Methods in Physics Research A 628, 2011, p.99-102	4	Abraamyan Kh.U. et al. (MPD Collaboration)
138	Elliptic flow studies using the CMS detector	печ.	Indian Journal of Physics 85, 2011, p.63-68	6	Eyyubova G.Kh., Korotkikh V.L., Petrushanko S.V., Sarycheva L.I., Snigirev A.M., Krofchek D.
139	Charged particle multiplicities in pp collisions at $\sqrt{s} = 0.9, 2.36$ and 7 TeV	печ.	Journal of High Energy Physics 1101, 2011, p.079	38	Khachatryan V. et al. (CMS Collaboration)
140	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1101, 2011, p.080	40	Khachatryan V. et al. (CMS Collaboration)
141	Modeling the jet quenching, thermal resonance production and hydrodynamical flow in relativistic heavy ions collisions	печ.	Journal of Physics: Conference Series 270, 2011, p.012060	4	Belyaev A.V., Malinina L.V., Petrushanko S.V., Snigirev A.M., Arsene I., Zabrodin E.
142	Measurement of the isolated prompt photon production cross section in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 106, 2011, p.082001	15	Khachatryan V. et al. (CMS Collaboration)
143	Search for microscopic black hole signatures at the Large Hadron Collider	печ.	Physics Letters B 697, 2011, p.434-453	20	Khachatryan V. et al. (CMS Collaboration)
144	Search for a heavy gauge boson W' in the final state with an electron and large missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 698, 2011, p.21-39	19	Khachatryan V. et al. (CMS Collaboration)
145	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1103, 2011, p.024	29	Khachatryan V. et al. (CMS Collaboration)
146	Measurement of the B <sup>+</sup> production cross section in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 106, 2011, p.112001	15	Khachatryan V. et al. (CMS Collaboration)
147	Dijet azimuthal decorrelations in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 106, 2011, p.112003	15	Khachatryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
148	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1103, 2011, p.090	29	Khachatryan V. et al. (CMS Collaboration)
149	Search for supersymmetry in pp collisions at 7 TeV in events with jets and missing transverse energy	печ.	Physics Letters B 698, 2011, p.196-218	23	Khachatryan V. et al. (CMS Collaboration)
150	Measurement of B anti-B angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1103, 2011, p.136	35	Khachatryan V. et al. (CMS Collaboration)
151	Явление выстроенности в космических лучах и анализ азимутальной анизотропии на LHC	печ.	Известия РАН, т.75 вып.3, 2011, с.418-420	3	Манагадзе А.К., Сарычева Л.И., Снигирев А.М.
152	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1104, 2011, p.050	31	Chatrchyan S. et al. (CMS Collaboration)
153	Prompt and non-prompt J/ $\psi$ production in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 71, 2011, p.1575	26	Khachatryan V. et al. (CMS Collaboration)
154	Measurement of W+W- production and search for the Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 699, 2011, p.25-47	23	Chatrchyan S. et al. (CMS Collaboration)
155	First measurement of hadronic event shapes in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 699, 2011, p.48-67	20	Khachatryan V. et al. (CMS Collaboration)
156	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV	печ.	Journal of High Energy Physics 1105, 2011, p.063	40	Khachatryan V. et al. (CMS Collaboration)
157	Search for pair production of first-generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 106, 2011, p.201802	15	Khachatryan V. et al. (CMS Collaboration)
158	Search for pair production of second-generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 106, 2011, p.201803	15	Khachatryan V. et al. (CMS Collaboration)
159	Measurement of dijet angular distributions and search for quark compositeness in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 106, 2011, p.201804	14	Khachatryan V. et al. (CMS Collaboration)
160	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV	печ.	Journal of High Energy Physics 1105, 2011, p.029	28	Khachatryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
161	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider	печ.	Journal of High Energy Physics 1105, 2011, p.085	27	Chatrchyan S. et al. (CMS Collaboration)
162	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1105, 2011, p.093	34	Chatrchyan S. et al. (CMS Collaboration)
163	Study of Z boson production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physical Review Letters 106, 2011, p.212301	14	Chatrchyan S. et al. (CMS Collaboration)
164	Jet quenching pattern at LHC in PYQUEN model	печ.	European Physical Journal C 71, 2011, p.1650	5	Belyaev A.V., Snigirev A.M.
165	Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 700, 2011, p.187-206	20	Chatrchyan S. et al. (CMS Collaboration)
166	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC	печ.	Journal of High Energy Physics 1106, 2011, p.077	46	Chatrchyan S. et al. (CMS Collaboration)
167	Search for a W' boson decaying to a muon and a neutrino in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 701, 2011, p.160-179	20	Chatrchyan S. et al. (CMS Collaboration)
168	Search for a heavy bottom-like quark in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 701, 2011, p.204-223	20	Chatrchyan S. et al. (CMS Collaboration)
169	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1106, 2011, p.093	27	Chatrchyan S. et al. (CMS Collaboration)
170	Measurement of the B0 production cross section in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 106, 2011, p.252001	15	Chatrchyan S. et al. (CMS Collaboration)
171	Novel jet quenching observables in heavy ion collisions at the LHC	печ.	Indian Journal of Physics 85, 2011, p.807-811	5	Snigirev A.M., Teplov C.Yu.
172	Jet shape broadening and quenching versus rapidity	печ.	Indian Journal of Physics 85, 2011, p.903-908	6	Petrushanko S.V., Sarycheva L.I., Snigirev A.M.
173	Measurement of the inclusive $\Upsilon$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 83, 2011, p.112004	27	Khachatryan V. et al. (CMS Collaboration)



1	2	3	4	5	6
174	Measurement of $W\text{-}\gamma$ and $Z\text{-}\gamma$ production in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 701, 2011, p.535-555	21	Chatrchyan S. et al. (CMS Collaboration)
175	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with two photons and missing transverse energy	печ.	Physical Review Letters 106, 2011, p.211802	15	Chatrchyan S. et al. (CMS Collaboration)
176	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	печ.	Journal of High Energy Physics 1107, 2011, p.049	48	Chatrchyan S. et al. (CMS Collaboration)
177	Search for neutral MSSM Higgs bosons decaying to $\tau$ pairs in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 106, 2011, p.231801	15	Chatrchyan S. et al. (CMS Collaboration)
178	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Journal of High Energy Physics 1107, 2011, p.076	31	Chatrchyan S. et al. (CMS Collaboration)
179	Search for light resonances decaying into pairs of muons as a signal of new physics	печ.	Journal of High Energy Physics 1107, 2011, p.098	33	Chatrchyan S. et al. (CMS Collaboration)
180	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC	печ.	Journal of High Energy Physics 1107, 2011, p.113	25	Chatrchyan S. et al. (CMS Collaboration)
181	Search for same-sign top-quark pair production at $\sqrt{s} = 7$ TeV and limits on flavour changing neutral currents in the top sector	печ.	Journal of High Energy Physics 1108, 2011, p.005	27	Chatrchyan S. et al. (CMS Collaboration)
182	Measurement of the polarization of W bosons with large transverse momenta in W+jets events at the LHC	печ.	Physical Review Letters 107, 2011, p.021802	15	Chatrchyan S. et al. (CMS Collaboration)
183	Indications of suppression of excited $\Upsilon$ states in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physical Review Letters 107, 2011, p.052302	15	Chatrchyan S. et al. (CMS Collaboration)
184	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physical Review C 84, 2011, p.024906	26	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
185	Measurement of the ratio of the 3-jet to 2-jet cross sections in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 702, 2011, p.336-354	19	Chatrchyan S. et al. (CMS Collaboration)
186	Charged particle transverse momentum spectra in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV	печ.	Journal of High Energy Physics 1108, 2011, p.086	38	Chatrchyan S. et al. (CMS Collaboration)
187	Measurement of the inclusive Z cross section via decays to $\tau$ pairs in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1108, 2011, p.117	31	Chatrchyan S. et al. (CMS Collaboration)
188	Search for first generation scalar leptoquarks in the $evjj$ channel in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 703, 2011, p.246-266	21	Chatrchyan S. et al. (CMS Collaboration)
189	Dependence on pseudorapidity and centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Journal of High Energy Physics 1108, 2011, p.141	33	Chatrchyan S. et al. (CMS Collaboration)
190	Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1108, 2011, p.155	45	Chatrchyan S. et al. (CMS Collaboration)
191	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum	печ.	Journal of High Energy Physics 1108, 2011, p.156	42	Chatrchyan S. et al. (CMS Collaboration)
192	Missing transverse energy performance of the CMS detector	печ.	Journal of Instrumentation 6, 2011, p.09001	54	Chatrchyan S. et al. (CMS Collaboration)
193	Measurement of the top-antitop production cross section in pp collisions at $\sqrt{s} = 7$ TeV using the kinematic properties of events with leptons and jets	печ.	European Physical Journal C 71, 2011, p.1721	27	Chatrchyan S. et al. (CMS Collaboration)
194	Search for resonances in the dijet mass spectrum from 7 TeV pp Collisions at CMS	печ.	Physics Letters B 704, 2011, p.123-142	20	Chatrchyan S. et al. (CMS Collaboration)
195	A search for excited leptons in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 704, 2011, p.143-162	20	Chatrchyan S. et al. (CMS Collaboration)
196	Measurement of the t-channel single top quark production cross section in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 107, 2011, p.091802	15	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
197	Search for for three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 107, 2011, p.101801	15	Chatrchyan S. et al. (CMS Collaboration)
198	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 107, 2011, p.132001	14	Chatrchyan S. et al. (CMS Collaboration)
199	Measurement of the strange B meson production cross section with $J/\psi \phi$ decays in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 84, 2011, p.052008	16	Chatrchyan S. et al. (CMS Collaboration)
200	Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7$ TeV and comparision with $\sqrt{s} = 0.9$ TeV	печ.	Journal of High Energy Physics 1109, 2011, p.109	30	Chatrchyan S. et al. (CMS Collaboration)
201	Search for physics beyond the Standard model using multilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 704, 2011, p.411-433	23	Chatrchyan S. et al. (CMS Collaboration)
202	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1110, 2011, p.007	40	Chatrchyan S. et al. (CMS Collaboration)
203	Measurement of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment	печ.	Journal of High Energy Physics 1110, 2011, p.132	74	Chatrchyan S. et al. (CMS Collaboration)
204	Measurement of the differential cross section for isolated prompt photon production in pp collisions at 7 TeV	печ.	Physical Review D 84, 2011, p.052011	29	Chatrchyan S. et al. (CMS Collaboration)
205	Determination of jet energy calibration and transverse momentum resolution in CMS	печ.	Journal of Instrumentation 6, 2011, p.11002	64	Chatrchyan S. et al. (CMS Collaboration)
206	Measurement of the $t\bar{t}$ production cross section in pp Collisions at 7 TeV in lepton + jets events using b-quark jet identification	печ.	Physical Review D 84, 2011, p.092004	24	Chatrchyan S. et al. (CMS Collaboration)
207	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV	печ.	Journal of High Energy Physics 1111, 2011, p.148	35	Chatrchyan S. et al. (CMS Collaboration)
208	Search for new physics with a mono-jet and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 107, 2011, p.201804	15	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
209	Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC	печ.	Physical Review D 84, 2011, p.112002	23	Chatrchyan S. et al. (CMS Collaboration)
210	Search for a vector-like quark with charge 2/3 in t+Z Events from pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 107, 2011, p.271802	15	Chatrchyan S. et al. (CMS Collaboration)
211	Search for supersymmetry at the LHC in events with jets and missing transverse energy	печ.	Physical Review Letters 107, 2011, p.221804	16	Chatrchyan S. et al. (CMS Collaboration)
212	Search for B(s) and B to dimuon decays in pp collisions at 7 TeV	печ.	Physical Review Letters 107, 2011, p.191802	15	Chatrchyan S. et al. (CMS Collaboration)
213	CMS results from PbPb collisions at the LHC	печ.	Proc. of 20th International Workshop on High Energy Physics and Quantum Field Theory, Sochi, Russia, 2011, PoS QFTHEP2011:017	15	
214	Technical Proposal for the Upgrade of the CMS detector through 2020	печ.	CERN, LHCC-2011-006, 2012	311	Bayatian G.L. et al. (CMS Collaboration)
215	Inclusive search for squarks and gluinos in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 85, 2012, p.112004	23	Chatrchyan S. et al. (CMS Collaboration)
216	Jet production rates in association with W and Z Bosons in pp collisions at 7 TeV	печ.	Journal of High Energy Physics 1201, 2012, p.010	45	Chatrchyan S. et al. (CMS Collaboration)
217	Measurement of the production cross section for pairs of isolated photons in pp collisions at 7 TeV	печ.	Journal of High Energy Physics 1201, 2012, p.133	37	Chatrchyan S. et al. (CMS Collaboration)
218	J/ $\psi$ and $\psi(2S)$ production in pp collisions at 7 TeV	печ.	Journal of High Energy Physics 1202, 2012, p.011	45	Chatrchyan S. et al. (CMS Collaboration)
219	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at 7 TeV	печ.	European Physical Journal C 72, 2012, p.1839	39	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
220	Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at 7 TeV	печ.	Physical Review D 85, 2012, p.032002	21	Chatrchyan S. et al. (CMS Collaboration)
221	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at	печ.	Physics Letters B 709, 2012, p.28-49	22	Chatrchyan S. et al. (CMS Collaboration)
222	Exclusive photon-photon production of muon pairs in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1201, 2012, p.052	38	Chatrchyan S. et al. (CMS Collaboration)
223	Combined results of searches for the Standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 710, 2012, p.26-48	23	Chatrchyan S. et al. (CMS Collaboration)
224	Search for the Standard model Higgs boson decaying to a W pair in the fully leptonic final state in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 710, 2012, p.91-113	23	Chatrchyan S. et al. (CMS Collaboration)
225	Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physics Letters B 710, 2012, p.256-277	22	Chatrchyan S. et al. (CMS Collaboration)
226	Search for the Standard model Higgs boson decaying to bottom quarks in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 710, 2012, p.284-306	23	Chatrchyan S. et al. (CMS Collaboration)
227	Search for the Standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2l2\nu$ channel in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1203, 2012, p.040	31	Chatrchyan S. et al. (CMS Collaboration)
228	Search for the Standard model Higgs boson in the $H \rightarrow ZZ \rightarrow l^+l^-\tau^+\tau^-$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1203, 2012, p.081	29	Chatrchyan S. et al. (CMS Collaboration)
229	Search for the Standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 710, 2012, p.403-425	23	Chatrchyan S. et al. (CMS Collaboration)
230	Performance of tau-lepton reconstruction and identification in CMS	печ.	Journal of Instrumentation 7, 2012, p.01001	31	Chatrchyan S. et al. (CMS Collaboration)
231	Study of high-pT charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	European Physical Journal C 72, 2012, p.1945	22	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
232	Search for $B_s \rightarrow \mu^+\mu^-$ and $B^0 \rightarrow \mu^+\mu^-$ decays	печ.	Journal of High Energy Physics 1204, 2012, p.033	35	Chatrchyan S. et al. (CMS Collaboration)
233	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow q\bar{q}l^-l^+$ in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1204, 2012, p.036	35	Chatrchyan S. et al. (CMS Collaboration)
234	Search for microscopic black holes in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1204, 2012, p.061	35	Chatrchyan S. et al. (CMS Collaboration)
235	Inclusive b-jet production in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1204, 2012, p.084	35	Chatrchyan S. et al. (CMS Collaboration)
236	Search for large extra dimensions in dimuon and dielectron events in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 711, 2012, p.15-34	20	Chatrchyan S. et al. (CMS Collaboration)
237	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1205, 2012, p.055	29	Chatrchyan S. et al. (CMS Collaboration)
238	Suppression of non-prompt $J/\psi$ , prompt $J/\psi$ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Journal of High Energy Physics 1205, 2012, p.063	53	Chatrchyan S. et al. (CMS Collaboration)
239	Jet momentum dependence of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physics Letters B 712, 2012, p.176-197	20	Chatrchyan S. et al. (CMS Collaboration)
240	Search for heavy bottom-like quarks in 4.9 inverse femtobarns of pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1205, 2012, p.123	29	Chatrchyan S. et al. (CMS Collaboration)
241	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 713, 2012, p.68-90	23	Chatrchyan S. et al. (CMS Collaboration)
242	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	печ.	Journal of High Energy Physics 1206, 2012, p.036	37	Chatrchyan S. et al. (CMS Collaboration)
243	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	European Physical Journal C 72, 2012, p.2012	26	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
244	Observation of a new $\Xi_b$ baryon	печ.	Physical Review Letters 108, 2012, p.252002	15	Chatrchyan S. et al. (CMS Collaboration)
245	Hadron spectra, flow and correlations in PbPb collisions at the LHC: interplay between soft and hard physics	печ.	European Physical Journal C 72, 2012, p. 2045	8	Belyaev A.V., Malinina L.V., Petrushanko S.V., Rogochaya E.P., Snigirev A.M.
246	Search for signatures of extra dimensions in the diphoton mass spectrum at the Large Hadron Collider	печ.	Physical Review Letters 108, 2012, p.111801	16	Chatrchyan S. et al. (CMS Collaboration)
247	Search for the Standard model Higgs boson in the decay channel H to ZZ to 4 leptons in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 108, 2012, p.111804	17	Chatrchyan S. et al. (CMS Collaboration)
248	Search for heavy long-lived charged particles in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 713, 2012, p.408-433	26	Chatrchyan S. et al. (CMS Collaboration)
249	Measurement of the mass difference between top and antitop quarks	печ.	Journal of High Energy Physics 1206, 2012, p.109	35	Chatrchyan S. et al. (CMS Collaboration)
250	Measurement of the cross section for production of $b\bar{b}X$ , decaying to muons in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1206, 2012, p.110	35	Chatrchyan S. et al. (CMS Collaboration)
251	Measurement of the Z/ $\gamma^*$ +b-jet cross section in pp collisions at 7 TeV	печ.	Journal of High Energy Physics 1206, 2012, p.126	29	Chatrchyan S. et al. (CMS Collaboration)
252	Shape, transverse size, and charged hadron multiplicity of jets in pp collisions at 7 TeV	печ.	Journal of High Energy Physics 1206, 2012, p.160	38	Chatrchyan S. et al. (CMS Collaboration)
253	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1206, 2012, p.169	33	Chatrchyan S. et al. (CMS Collaboration)
254	Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7$ TeV in dilepton final states containing a $\tau$	печ.	Physical Review D 85, 2012, p.112007	18	Chatrchyan S. et al. (CMS Collaboration)
255	Search for dark matter and large extra dimensions in pp collisions yielding a photon and missing transverse energy	печ.	Physical Review Letters 108, 2012, p.261803	16	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
256	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1207, 2012, p.143	37	Chatrchyan S. et al. (CMS Collaboration)
257	Azimuthal anisotropy of charged particles at high transverse momenta in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physical Review Letters 109, 2012, p.022301	15	Chatrchyan S. et al. (CMS Collaboration)
258	Measurement of the $\Lambda_b$ cross section and the $\bar{\Lambda}_b$ to $\Lambda_b$ ratio with $J/\psi\Lambda$ decays in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 714, 2012, p.158-179	22	Chatrchyan S. et al. (CMS Collaboration)
259	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 714, 2012, p.136-157	22	Chatrchyan S. et al. (CMS Collaboration)
260	Study of W boson production in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physics Letters B 715, 2012, p.66-87	22	Chatrchyan S. et al. (CMS Collaboration)
261	Search for leptonic decays of W' bosons in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1208, 2012, p.023	31	Chatrchyan S. et al. (CMS Collaboration)
262	Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC	печ.	Physics Letters B 716, 2012, p.30-61	32	Chatrchyan S. et al. (CMS Collaboration)
263	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy	печ.	Physical Review Letters 109, 2012, p.071803	16	Chatrchyan S. et al. (CMS Collaboration)
264	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1208, 2012, p.026	22	Chatrchyan S. et al. (CMS Collaboration)
265	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1208, 2012, p.110	35	Chatrchyan S. et al. (CMS Collaboration)
266	Measurement of the underlying event activity in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the novel jet-area/median approach	печ.	Journal of High Energy Physics 1208, 2012, p.130	33	Chatrchyan S. et al. (CMS Collaboration)
267	Search for high mass resonances decaying into tau-lepton pairs in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 716, 2012, p.82-102	21	Chatrchyan S. et al. (CMS Collaboration)



1	2	3	4	5	6
268	Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 716, 2012, p.103-121	19	Chatrchyan S. et al. (CMS Collaboration)
269	Search for physics beyond the Standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 716, 2012, p.260-284	25	Chatrchyan S. et al. (CMS Collaboration)
270	Measurement of the electron charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 109, 2012, p.111806	15	Chatrchyan S. et al. (CMS Collaboration)
271	Search for a light pseudoscalar Higgs boson in the dimuon decay channel in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 109, 2012, p.121801	15	Chatrchyan S. et al. (CMS Collaboration)
272	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state	печ.	Journal of High Energy Physics 1209, 2012, p.029	40	Chatrchyan S. et al. (CMS Collaboration)
273	Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 86, 2012, p.052013	23	Chatrchyan S. et al. (CMS Collaboration)
274	Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1209, 2012, p.094	36	Chatrchyan S. et al. (CMS Collaboration)
275	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1209, 2012, p.111	37	Chatrchyan S. et al. (CMS Collaboration)
276	Search for supersymmetry in hadronic final states using MT2 in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1210, 2012, p.018	39	Chatrchyan S. et al. (CMS Collaboration)
277	Search for a W' or Techni- $\rho$ decaying into WZ in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 109, 2012, p.1413801	16	Chatrchyan S. et al. (CMS Collaboration)
278	Measurement of the pseudorapidity and centrality dependence of the transverse energy density in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physical Review Letters 109, 2012, p.152303	16	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
279	Search for heavy Majorana neutrinos in $\mu^+\mu^+$ ( $\mu^-\mu^-$ ) + jets and $e^+e^+$ ( $e^-e^-$ ) + jets events in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 717, 2012, p.109-128	20	Chatrchyan S. et al. (CMS Collaboration)
280	Inclusive and differential measurements of the $t\bar{t}$ charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 717, 2012, p.129-150	22	Chatrchyan S. et al. (CMS Collaboration)
281	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Journal of High Energy Physics 1210, 2012, p.087	29	Chatrchyan S. et al. (CMS Collaboration)
282	Search for charge-asymmetric production of $W'$ bosons in top pair + jet events from pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 717, 2012, p.351-370	20	Chatrchyan S. et al. (CMS Collaboration)
283	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 72, 2012, p.2080	24	Chatrchyan S. et al. (CMS Collaboration)
284	Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at 7 TeV	печ.	Physical Review D 86, 2012, p.072010	29	Chatrchyan S. et al. (CMS Collaboration)
285	Search for new physics in the multijet and missing transverse momentum final state proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 109, 2012, p.171803	16	Chatrchyan S. et al. (CMS Collaboration)
286	Observation of sequential $\Upsilon$ suppression in PbPb collisions	печ.	Physical Review Letters 109, 2012, p.222301	15	Chatrchyan S. et al. (CMS Collaboration)
287	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1211, 2012, p.067	39	Chatrchyan S. et al. (CMS Collaboration)
288	Search for the Standard model Higgs boson produced in association with W and Z bosons in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1211, 2012, p.088	33	Chatrchyan S. et al. (CMS Collaboration)
289	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV	печ.	European Physical Journal C 72, 2012, p.2164	37	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
290	Measurement of the top-quark mass in $t\bar{t}$ events with dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 72, 2012, p.2202	21	Chatrchyan S. et al. (CMS Collaboration)
291	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1211, 2012, p.147	46	Chatrchyan S. et al. (CMS Collaboration)
292	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1211, 2012, p.172	29	Chatrchyan S. et al. (CMS Collaboration)
293	Search for resonant $t\bar{t}$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV	печ.	Journal of High Energy Physics 1212, 2012, p.015		Chatrchyan S. et al. (CMS Collaboration)
294	Observation of Z decays to four leptons with the CMS detector at the LHC	печ.	Journal of High Energy Physics 1212, 2012, p.034	27	Chatrchyan S. et al. (CMS Collaboration)
295	Measurement of the single-top-quark t-channel cross section in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1212, 2012, p.035	46	Chatrchyan S. et al. (CMS Collaboration)
296	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1212, 2012, p.055	41	Chatrchyan S. et al. (CMS Collaboration)
297	Search for pair produced fourth-generation up-type quarks in pp collisions at $\sqrt{s} = 7$ TeV with a lepton in the final state	печ.	Physics Letters B 718, 2012, p.307-328	22	Chatrchyan S. et al. (CMS Collaboration)
298	Search for three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 718, 2012, p.329-347	19	Chatrchyan S. et al. (CMS Collaboration)
299	Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism	печ.	Physics Letters B 718, 2012, p.348-368	21	Chatrchyan S. et al. (CMS Collaboration)
300	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 72, 2012, p.2189	26	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
301	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 72, 2012, p.2216	18	Chatrchyan S. et al. (CMS Collaboration)
302	A new boson with a mass of 125 GeV observed with the CMS experiment at the Large Hadron Collider	печ.	Science 338, 2012, p.1569-1575	7	Chatrchyan S. et al. (CMS Collaboration)
303	Combined search for the quarks of a sequential fourth generation	печ.	Physical Review D 86, 2012, p.112003	20	Chatrchyan S. et al. (CMS Collaboration)
304	Tests of CMS hadron forward calorimeter upgrade readout box prototype	печ.	Journal of Instrumentation 7, 2012, p.10015	19	Chatrchyan S. et al. (CMS HCAL Collaboration)
305	Study of the dijet mass spectrum in $pp \rightarrow W + jets$ events at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 109, 2012, p.251801		Chatrchyan S. et al. (CMS Collaboration)
306	Search for heavy neutrinos and $W_R$ bosons with right-handed couplings in a left-right symmetric model in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 109, 2012, p.261802	16	Chatrchyan S. et al. (CMS Collaboration)
307	Measurement of the top-quark mass in $t\bar{t}$ events with lepton+jets final states in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1212, 2012, p.105	36	Chatrchyan S. et al. (CMS Collaboration)
308	CMS Technical Design Report for the Phase 1 Upgrade of the Hadron Calorimeter	печ.	CERN, LHCC-2012-015, 2012	155	Mans J. et al. (CMS Collaboration)
309	CMS Technical Design Report for the Pixel Detector Upgrade	печ.	CERN, LHCC-2012-016, 2012	239	Dominguez A. et al. (CMS Collaboration)
310	Measurement of the relative prompt production rate of $\chi(c2)$ and $\chi(c1)$ in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 72, 2012, p.2251	22	Chatrchyan S. et al. (CMS Collaboration)
311	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 718, 2013, p.752-772	21	Chatrchyan S. et al. (CMS Collaboration)
312	Studies of jet quenching using isolated-photon+jet correlations in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physics Letters B 718, 2013, p.773-794	22	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
313	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physical Review C 87, 2013, p.014902	14	Chatrchyan S. et al. (CMS Collaboration)
314	Search for narrow resonances and quantum black holes in inclusive and $b$ -tagged dijet mass spectra from pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1301, 2013, p.013	39	Chatrchyan S. et al. (CMS Collaboration)
315	Measurement of the ZZ production cross section and search for anomalous couplings in 2l2l' final states in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1301, 2013, p.063	28	Chatrchyan S. et al. (CMS Collaboration)
316	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or at least 3 $b$ -quark jets in 7 TeV pp collisions using the variable $\alpha_T$	печ.	Journal of High Energy Physics 1301, 2013, p.077	38	Chatrchyan S. et al. (CMS Collaboration)
317	Observation of long-range near-side angular correlations in proton-lead collisions at the LHC	печ.	Physics Letters B 718, 2013, p.795-814	20	Chatrchyan S. et al. (CMS Collaboration)
318	Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 718, 2013, p.815-840	26	Chatrchyan S. et al. (CMS Collaboration)
319	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $q\bar{q}l^{+}l^{-}$ final state	печ.	Physics Letters B 718, 2013, p.1208-1228	21	Chatrchyan S. et al. (CMS Collaboration)
320	Search for a $W'$ boson decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 718, 2013, p.1229-1251	23	Chatrchyan S. et al. (CMS Collaboration)
321	Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV	печ.	Physics Letters B 718, 2013, p.1252-1272	21	Chatrchyan S. et al. (CMS Collaboration)
322	Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 87, 2013, p.012006	20	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
323	Evidence for associated production of a single top quark and W boson in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 110, 2013, p.022003	16	Chatrchyan S. et al. (CMS Collaboration)
324	Measurement of the azimuthal anisotropy of neutral pions in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physical Review Letters 110, 2013, p.042301	15	Chatrchyan S. et al. (CMS Collaboration)
325	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1301, 2013, p.154	29	Chatrchyan S. et al. (CMS Collaboration)
326	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1302, 2013, p.036	40	Chatrchyan S. et al. (CMS Collaboration)
327	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles	печ.	Journal of High Energy Physics 1302, 2013, p.085	32	Chatrchyan S. et al. (CMS Collaboration)
328	Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 719, 2013, p.42-61	20	Chatrchyan S. et al. (CMS Collaboration)
329	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV and $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 720, 2013, p.63-82	20	Chatrchyan S. et al. (CMS Collaboration)
330	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV with lepton + jets final states	печ.	Physics Letters B 720, 2013, p.83-104	22	Chatrchyan S. et al. (CMS Collaboration)
331	Search for pair production of third-generation leptoquarks and top squarks in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 110, 2013, p.081801	16	Chatrchyan S. et al. (CMS Collaboration)
332	Measurement of the $\Upsilon 1S$ , $\Upsilon 2S$ and $\Upsilon 3S$ polarizations in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 110, 2013, p.081802	15	Chatrchyan S. et al. (CMS Collaboration)
333	Study of the mass and spin-parity of the Higgs boson candidate via its decays to Z boson pairs	печ.	Physical Review Letters 110, 2013, p.081803	15	Chatrchyan S. et al. (CMS Collaboration)
334	Search for contact interactions in $\mu^+\mu^-$ events in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 87, 2013, p.032001	19	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
335	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 73, 2013, p.2283	18	Chatrchyan S. et al. (CMS Collaboration)
336	Search for excited leptons in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 720, 2013, p.309-329	21	Chatrchyan S. et al. (CMS Collaboration)
337	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 1303, 2013, p.037	27	Chatrchyan S. et al. (CMS Collaboration)
338	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1303, 2013, p.111	50	Chatrchyan S. et al. (CMS Collaboration)
339	Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 87, 2013, p.052006	28	Chatrchyan S. et al. (CMS Collaboration)
340	Search for contact interactions using the inclusive jet $p_T$ spectrum in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 87, 2013, p.052017	19	Chatrchyan S. et al. (CMS Collaboration)
341	Search for Z' resonances decaying to $t\bar{t}$ in dilepton+jets final states in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 87, 2013, p.072002	18	Chatrchyan S. et al. (CMS Collaboration)
342	Ридж-эффект и явление выстроенности	печ.	Ядерная физика, т.76 вып.5, 2013, с.645-649	5	Манагадзе А.К., Снигирев А.М.
343	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s} = 0.9, 2.76, \text{ and } 7$ TeV	печ.	Journal of High Energy Physics 1304, 2013, p.072	35	Chatrchyan S. et al. (CMS Collaboration)
344	Measurement of differential top-quark pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 73, 2013, p.2339	29	Chatrchyan S. et al. (CMS Collaboration)
345	Identification of b-quark jets with the CMS experiment	печ.	Journal of Instrumentation 8, 2013, p. P04013	65	Chatrchyan S. et al. (CMS Collaboration)
346	Measurement of $W^+W^-$ and $ZZ$ production cross sections in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 722, 2013, p.190-211	22	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
347	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 722, 2013, p.5-27	23	Chatrchyan S. et al. (CMS Collaboration)
348	Search for anomalous production of highly boosted Z bosons decaying to dimuons in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 722, 2013, p.28-47	20	Chatrchyan S. et al. (CMS Collaboration)
349	Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network	печ.	Physical Review D 87, 2013, p.072001	21	Chatrchyan S. et al. (CMS Collaboration)
350	Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC	печ.	Physical Review D 87, 2013, p.072005	17	Chatrchyan S. et al. (CMS Collaboration)
351	Search for pair-produced dijet resonances in four-jet final states in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 110, 2013, p.141802	15	Chatrchyan S. et al. (CMS Collaboration)
352	Measurement of associated production of vector bosons and $t\bar{t}$ at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 110, 2013, p.172002	15	Chatrchyan S. et al. (CMS Collaboration)
353	Measurement of the $X(3872)$ production cross section via decays to $J/\psi\pi^+\pi^-$ in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1304, 2013, p.154	38	Chatrchyan S. et al. (CMS Collaboration)
354	Search for a Higgs boson decaying into a b-quark pair and produced in association with b quarks in proton-proton collisions at 7 TeV	печ.	Physics Letters B 722, 2013, p.207-232	26	Chatrchyan S. et al. (CMS Collaboration)
355	Event shapes and azimuthal correlations in Z + jets events in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 722, 2013, p.238-261	24	Chatrchyan S. et al. (CMS Collaboration)
356	Search for long-lived particles in events with photons and missing energy in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 722, 2013, p.273-294	22	Chatrchyan S. et al. (CMS Collaboration)
357	Measurement of the $t\bar{t}$ production cross section in the $\tau$ +jets channel in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 73, 2013, p.2386	18	Chatrchyan S. et al. (CMS Collaboration)



1	2	3	4	5	6
358	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum	печ.	European Physical Journal C 73, 2013, p.2404	41	Chatrchyan S. et al. (CMS Collaboration)
359	Measurement of the $t\bar{t}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1305, 2013, p.065	34	Chatrchyan S. et al. (CMS Collaboration)
360	Studies of jet mass in dijet and W/Z+jet events	печ.	Journal of High Energy Physics 1305, 2013, p.090	49	Chatrchyan S. et al. (CMS Collaboration)
361	Search for fractionally charged particles in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 87, 2013, p.092008	17	Chatrchyan S. et al. (CMS Collaboration)
362	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the CMS detector	печ.	Physical Review D 87, 2013, p.112002	21	Chatrchyan S. et al. (CMS Collaboration)
363	Search for the Standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC	печ.	Journal of High Energy Physics 1305, 2013, p.145	46	Chatrchyan S. et al. (CMS Collaboration)
364	Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV	печ.	Physics Letters B 723, 2013, p.280-301	22	Chatrchyan S. et al. (CMS Collaboration)
365	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC	печ.	European Physical Journal C 73, 2013, p.2469	27	Chatrchyan S. et al. (CMS Collaboration)
366	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s} = 7$ and 8 TeV	печ.	Journal of High Energy Physics 1306, 2013, p.081	125	Chatrchyan S. et al. (CMS Collaboration)
367	Multiplicity and transverse-momentum dependence of two- and four-particle correlations in pPb and PbPb collisions	печ.	Physics Letters B 724, 2013, p.213-240	28	Chatrchyan S. et al. (CMS Collaboration)
368	Study of exclusive two-photon production of $W^+W^-$ in pp collisions at $\sqrt{s} = 7$ TeV and constraints on anomalous quartic gauge couplings	печ.	Journal of High Energy Physics 1307, 2013, p.116	43	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
369	Search for physics beyond the Standard model in events with $\tau$ leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 73, 2013, p.2493	26	Chatrchyan S. et al. (CMS Collaboration)
370	Measurement of masses in the $t\bar{t}$ system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 73, 2013, p.2494	28	Chatrchyan S. et al. (CMS Collaboration)
371	Searches for Higgs bosons in pp collisions at $\sqrt{s} = 7$ and 8 TeV in the context of four-generation and fermiophobic models	печ.	Physics Letters B 725, 2013, p.36-59	24	Chatrchyan S. et al. (CMS Collaboration)
372	Search for narrow resonances using the dijet mass spectrum in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 87, 2013, p.114015	16	Chatrchyan S. et al. (CMS Collaboration)
373	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV	печ.	Journal of High Energy Physics 1307, 2013, p.122	47	Chatrchyan S. et al. (CMS Collaboration)
374	Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV	печ.	Physics Letters B 725, 2013, p.243-270	28	Chatrchyan S. et al. (CMS Collaboration)
375	Measurement of the $\Lambda_b^0$ lifetime in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1307, 2013, p.163	31	Chatrchyan S. et al. (CMS Collaboration)
376	“Ридж”-эффект и явление выстроенности	печ.	Сборник “Физика на ЛHC. Труды объединенного семинара RDMS CMS. Выпуск 3”, Дубна, ОИЯИ, 2013, с. 23-30	8	Манагадзе А.К., Снигирев А.М.
377	Коллективные эффекты в соударениях ионов свинца при энергии $\sqrt{s_{NN}} = 2.76$ ТэВ	печ.	Сборник “Физика на ЛHC. Труды объединенного семинара RDMS CMS. Выпуск 3”, Дубна, ОИЯИ, 2013, с. 35-38	4	
378	Исследование свойств кварк-глюонной материи в соударениях тяжелых ионов на ЛHC	печ.	Сборник “Физика на ЛHC. Труды объединенного семинара RDMS CMS. Выпуск 3”, Дубна, ОИЯИ, 2013, с. 89-113	25	

1	2	3	4	5	6
379	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 1307, 2013, p.178	33	Chatrchyan S. et al. (CMS Collaboration)
380	Inclusive search for supersymmetry using the razor variables in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 111, 2013, p.081802	17	Chatrchyan S. et al. (CMS Collaboration)
381	Measurement of neutral strange particle production in the underlying event in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 88, 2013, p.052001	21	Chatrchyan S. et al. (CMS Collaboration)
382	Measurement of the $B_s \rightarrow \mu\mu$ branching fraction and search for $B_0 \rightarrow \mu\mu$ with the CMS Experiment	печ.	Physical Review Letters 111, 2013, p.101804	17	Chatrchyan S. et al. (CMS Collaboration)
383	Search for supersymmetry in hadronic final states with missing transverse energy using the variables $\alpha_T$ and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 73, 2013, p.2568	31	Chatrchyan S. et al. (CMS Collaboration)
384	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of Instrumentation 8, 2013, p. P09009	52	Chatrchyan S. et al. (CMS Collaboration)
385	Interpretation of searches for supersymmetry with simplified models	печ.	Physical Review D 88, 2013, p.052017	24	Chatrchyan S. et al. (CMS Collaboration)
386	CMS Technical Design Report for the Level-1 Trigger Upgrade	печ.	CERN, LHCC-2013-011, 2013	171	Tapper A. et al. (CMS Collaboration)
387	Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states	печ.	Physics Letters B 726, 2013, p.564-586	23	Chatrchyan S. et al. (CMS Collaboration)
388	Search for a Higgs boson decaying into a Z and a photon in pp collisions at $\sqrt{s} = 7$ and 8 TeV	печ.	Physics Letters B 726, 2013, p.587-609	23	Chatrchyan S. et al. (CMS Collaboration)
389	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1310, 2013, p.101	42	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
390	Measurement of the production cross section for $Z\gamma \rightarrow \nu\nu\gamma$ in pp collisions at $\sqrt{s} = 7$ TeV and limits on $ZZ\gamma$ and $Z\gamma\gamma$ triple gauge boson couplings	печ.	Journal of High Energy Physics 1310, 2013, p.164	29	Chatrchyan S. et al. (CMS Collaboration)
391	Measurement of the W-boson helicity in top-quark decays from $t\bar{t}$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1310, 2013, p.167	44	Chatrchyan S. et al. (CMS Collaboration)
392	The performance of the CMS muon detector in proton-proton collisions at $\sqrt{s} = 7$ TeV at the LHC	печ.	Journal of Instrumentation 8, 2013, p. P11002	102	Chatrchyan S. et al. (CMS Collaboration)
393	Search for a new bottomonium state decaying to $\Upsilon(1S)\pi^+\pi^-$ in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 727, 2013, p.57-76	30	Chatrchyan S. et al. (CMS Collaboration)
394	Angular analysis and branching fraction measurement of the decay $B^0$ to $K^{*0}\mu^+\mu^-$	печ.	Physics Letters B 727, 2013, p.77-100	24	Chatrchyan S. et al. (CMS Collaboration)
395	Measurement of the $\Upsilon(1S)$ , $\Upsilon(2S)$ , and $\Upsilon(3S)$ cross sections in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 727, 2013, p.101-125	25	Chatrchyan S. et al. (CMS Collaboration)
396	Measurement of the prompt $J/\psi$ and $\psi(2S)$ polarizations in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 727, 2013, p.381-402	22	Chatrchyan S. et al. (CMS Collaboration)
397	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7$ TeV and first determination of the strong coupling constant in the TeV range	печ.	European Physical Journal C 73, 2013, p.2604	22	Chatrchyan S. et al. (CMS Collaboration)
398	Measurement of the $W^+W^-$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\gamma$ and $WWZ$ couplings	печ.	European Physical Journal C 73, 2013, p.2610	22	Chatrchyan S. et al. (CMS Collaboration)
399	Searches for new physics using the $t\bar{t}$ invariant mass production distribution in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review Letters 111, 2013, p.211804	16	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
400	Search for top squarks in R-parity-violating supersymmetry using three or more leptons and b-tagged jets	печ.	Physical Review Letters 111, 2013, p.221801	16	Chatrchyan S. et al. (CMS Collaboration)
401	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1312, 2013, p.030	57	Chatrchyan S. et al. (CMS Collaboration)
402	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1312, 2013, p.039	33	Chatrchyan S. et al. (CMS Collaboration)
403	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 73, 2013, p.2604	26	Chatrchyan S. et al. (CMS Collaboration)
404	Rapidity distributions in exclusive Z + jet and photon + jet events in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 88, 2013, p.112009	17	Chatrchyan S. et al. (CMS Collaboration)
405	Search for top-squark pair production in the single-lepton final state in pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 73, 2013, p.2677	46	Chatrchyan S. et al. (CMS Collaboration)
406	Determination of the top-quark pole mass and strong coupling constant from the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 728, 2014, p.496-517	22	Chatrchyan S. et al. (CMS Collaboration)
407	Inclusive search for a vector-like T quark with charge 2/3 in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 729, 2014, p.149-171	23	Chatrchyan S. et al. (CMS Collaboration)
408	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states	печ.	Journal of High Energy Physics 1401, 2014, p.096	84	Chatrchyan S. et al. (CMS Collaboration)
409	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 1401, 2014, p.163	44	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
410	Search for the Standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks	печ.	Physical Review D 89, 2014, p.012003	36	Chatrchyan S. et al. (CMS Collaboration)
411	Searches for light- and heavy-flavour three-jet resonances in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 730, 2014, p.193-214	22	Chatrchyan S. et al. (CMS Collaboration)
412	Modification of jet shapes in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physics Letters B 730, 2014, p.243-263	21	Chatrchyan S. et al. (CMS Collaboration)
413	Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1402, 2014, p.013	62	Chatrchyan S. et al. (CMS Collaboration)
414	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 1402, 2014, p.024	27	Chatrchyan S. et al. (CMS Collaboration)
415	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Journal of High Energy Physics 1402, 2014, p.088	37	Chatrchyan S. et al. (CMS Collaboration)
416	Hexagonal flow $v_6$ as a superposition of elliptic $v_2$ and triangular $v_3$ flows	печ.	Physical Review C 89, 2014, p.024909	7	Bravina L.V., Brusheim Johansson B.H., Eyyubova G.Kh., Korotkikh V.L., Malinina L.V., Petrushanko S.V., Snigirev A.M., Zabrodin E.E.
417	Search for baryon number violation in top-quark decays	печ.	Physics Letters B 731, 2014, p.173-196	24	Chatrchyan S. et al. (CMS Collaboration)
418	Study of double parton scattering using W + 2-jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1403, 2014, p.032	44	Chatrchyan S. et al. (CMS Collaboration)
419	Higher harmonics of azimuthal anisotropy in relativistic heavy ion collisions in HYDJET++ model	печ.	European Physical Journal C 74, 2014, p.2807	12	Bravina L.V., Brusheim Johansson B.H., Eyyubova G.Kh., Korotkikh V.L., Malinina L.V., Petrushanko, S.V. Snigirev A.M., Zabrodin E.E.

1	2	3	4	5	6
420	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 74, 2014, p.2758	23	Chatrchyan S. et al. (CMS Collaboration)
421	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physical Review C 89, 2014, p.044906	31	Chatrchyan S. et al. (CMS Collaboration)
422	Event activity dependence of $\Upsilon(nS)$ production in $\sqrt{s_{NN}}=5.02$ TeV pPb and $\sqrt{s}=2.76$ TeV pp collisions	печ.	Journal of High Energy Physics 1404, 2014, p.103	36	Chatrchyan S. et al. (CMS Collaboration)
423	Search for top squark and higgsino production using diphoton Higgs boson decays	печ.	Physical Review Letters 112, 2014, p.161802	15	Chatrchyan S. et al. (CMS Collaboration)
424	Search for top-quark partners with charge 5/3 in the same-sign dilepton final state	печ.	Physical Review Letters 112, 2014, p.171801	16	Chatrchyan S. et al. (CMS Collaboration)
425	Search for flavor-changing neutral currents in top-quark decays $t \rightarrow Zq$ in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review Letters 112, 2014, p.171802	16	Chatrchyan S. et al. (CMS Collaboration)
426	Measurements of $t\bar{t}$ spin correlations and top-quark polarization using dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 112, 2014, p.182001	16	Chatrchyan S. et al. (CMS Collaboration)
427	Is hexagonal flow $v_6$ just a superposition of elliptic $v_2$ and triangular $v_3$ flows?	печ.	European Physical Journal Web of Conferences 71, 2014, p.00142	8	Zabrodin E., Bravina L., Brusheim Johansson B.H., Eyyubova G.Kh., Korotkikh V.L., Malinina L.V., Petrushanko S.V., Snigirev A.M.
428	Measurements of the $t\bar{t}$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1404, 2014, p.191	34	Chatrchyan S. et al. (CMS Collaboration)
429	Measurement of inclusive W and Z boson production cross sections in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review Letters 112, 2014, p.191802	17	Chatrchyan S. et al. (CMS Collaboration)
430	Measurement of the $W\gamma$ and $Z\gamma$ inclusive cross sections in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous triple gauge boson couplings	печ.	Physical Review D 89, 2014, p.092005	32	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
431	Measurement of the properties of a Higgs boson in the four-lepton final state	печ.	Physical Review D 89, 2014, p.092007	45	Chatrchyan S. et al. (CMS Collaboration)
432	Evidence for the 125 GeV Higgs boson decaying to a pair of $\tau$ leptons	печ.	Journal of High Energy Physics 1405, 2014, p.104	71	Chatrchyan S. et al. (CMS Collaboration)
433	Search for supersymmetry in pp collisions at $\sqrt{s} = 8$ TeV in events with a single lepton, large jet multiplicity, and multiple b jets	печ.	Physics Letters B 733, 2014, p.328-353	26	Chatrchyan S. et al. (CMS Collaboration)
434	Alignment of the CMS tracker with LHC and cosmic ray data	печ.	Journal of Instrumentation 9, 2014, p. P06009	55	Chatrchyan S. et al. (CMS Collaboration)
435	Observation of the associated production of a single top quark and a W boson in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review Letters 112, 2014, p.231802	16	Chatrchyan S. et al. (CMS Collaboration)
436	Observation of a peaking structure in the $J/\psi\phi$ mass spectrum from $B^\pm \rightarrow J/\psi\phi K^\pm$ decays	печ.	Physics Letters B 734, 2014, p.261-281	21	Chatrchyan S. et al. (CMS Collaboration)
437	Measurement of four-jet production in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 89, 2014, p.092010	19	Chatrchyan S. et al. (CMS Collaboration)
438	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	European Physical Journal C 74, 2014, p.2847	27	Chatrchyan S. et al. (CMS Collaboration)
439	Probing color coherence effects in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 74, 2014, p.2901	22	Chatrchyan S. et al. (CMS Collaboration)
440	Search for $W' \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 1405, 2014, p.108	34	Chatrchyan S. et al. (CMS Collaboration)
441	Measurement of the triple-differential cross section for photon+jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1406, 2014, p.009	35	Chatrchyan S. et al. (CMS Collaboration)
442	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 1406, 2014, p.055	37	Chatrchyan S. et al. (CMS Collaboration)



1	2	3	4	5	6
443	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	печ.	Journal of High Energy Physics 1406, 2014, p.090	42	Khachtryan V. et al. (CMS Collaboration)
444	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1406, 2014, p.120	38	Chatrchyan S. et al. (CMS Collaboration)
445	Search for pair production of excited top quarks in the lepton+jets final state	печ.	Journal of High Energy Physics 1406, 2014, p.125	34	Chatrchyan S. et al. (CMS Collaboration)
446	Evidence for the direct decay of the 125 GeV Higgs boson to fermions	печ.	Nature Physics 10, 2014	4	Chatrchyan S. et al. (CMS Collaboration)
447	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 735, 2014, p.204-225	22	Chatrchyan S. et al. (CMS Collaboration)
448	Measurement of the ratio $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 736, 2014, p.33-57	25	Khachtryan V. et al. (CMS Collaboration)
449	Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs	печ.	Physics Letters B 736, 2014, p.64-85	22	Khachtryan V. et al. (CMS Collaboration)
450	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	European Physical Journal C 74, 2014, p.2951	26	Chatrchyan S. et al. (CMS Collaboration)
451	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8$ TeV in final states with b-tagged jets	печ.	European Physical Journal C 74, 2014, p.2973	22	Chatrchyan S. et al. (CMS Collaboration)
452	Search for top-squark pairs decaying into Higgs or Z bosons in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 736, 2014, p.371-397	27	Khachtryan V. et al. (CMS Collaboration)
453	Measurement of the muon charge asymmetry in inclusive pp to WX production at $\sqrt{s} = 7$ TeV and an improved determination of light parton distribution functions	печ.	Physical Review D 90, 2014, p.032004	33	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
454	Search for jet extinction in the inclusive jet-pt spectrum from proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 90, 2014, p.032005	17	Khachtryan V. et al. (CMS Collaboration)
455	Search for anomalous production of events with three or more leptons in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 90, 2014, p.032006	27	Chatrchyan S. et al. (CMS Collaboration)
456	Search for $WW\gamma$ and $WZ\gamma$ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 90, 2014, p.032008	20	Chatrchyan S. et al. (CMS Collaboration)
457	Measurement of jet multiplicity distributions in $t\bar{t}$ production in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 74, 2014, p.2973	29	Chatrchyan S. et al. (CMS Collaboration)
458	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes	печ.	European Physical Journal C 74, 2014, p.2980	35	Chatrchyan S. et al. (CMS Collaboration)
459	Measurement of jet fragmentation in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physical Review C 90, 2014, p.024908	20	Chatrchyan S. et al. (CMS Collaboration)
460	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 1408, 2014, p.173	36	Khachtryan V. et al. (CMS Collaboration)
461	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 1408, 2014, p.174	58	Khachtryan V. et al. (CMS Collaboration)
462	Search for the associated production of the Higgs boson with a top-quark pair	печ.	Journal of High Energy Physics 1409, 2014, p.087	63	Khachtryan V. et al. (CMS Collaboration)
463	Measurement of prompt $J/\psi$ pair production in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1409, 2014, p.094	34	Khachtryan V. et al. (CMS Collaboration)
464	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 74, 2014, p.3060	26	Khachtryan V. et al. (CMS Collaboration)
465	Evidence of b-jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physical Review Letters 113, 2014, p.132301	16	Chatrchyan S. et al. (CMS Collaboration)

1	2	3	4	5	6
466	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV	печ.	European Physical Journal C 74, 2014, p.3036	42	Khachtryan V. et al. (CMS Collaboration)
467	Search for excited quarks in the $\gamma$ +jet final state in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 736, 2014, p.274-293	20	Khachtryan V. et al. (CMS Collaboration)
468	Observation of the diphoton decay of the Higgs boson and measurement of its properties	печ.	European Physical Journal C 74, 2014, p.3076	49	Khachtryan V. et al. (CMS Collaboration)
469	Description and performance of track and primary-vertex reconstruction with the CMS tracker	печ.	Journal of Instrumentation 9, 2014, p. P10009	80	Chatrchyan S. et al. (CMS Collaboration)
470	Study of hadronic event-shape variables in multijet final states in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 1410, 2014, p.87	33	Khachtryan V. et al. (CMS Collaboration)
471	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV in dilepton final states containing one $\tau$ lepton	печ.	Physics Letters B 739, 2014, p.23-43	21	Khachtryan V. et al. (CMS Collaboration)
472	Measurement of the ratio of inclusive jet cross sections using the anti-kt algorithm with radius parameters $R = 0.5$ and $0.7$ in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 90, 2014, p.072006	22	Chatrchyan S. et al. (CMS Collaboration)
473	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments	печ.	European Physical Journal C 74, 2014, p.3053	26	Chatrchyan S. et al. (CMS and TOTEM Collaborations)
474	Search for neutral MSSM Higgs bosons decaying to a pair of $\tau$ leptons in pp collisions	печ.	Journal of High Energy Physics 1410, 2014, p.160	53	Khachtryan V. et al. (CMS Collaboration)
475	Search for pair production of third-generation scalar leptoquarks and top squarks in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 739, 2014, p.229-249	21	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
476	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 74, 2014, p.3129	30	Chatrchyan S. et al. (CMS Collaboration)
477	Searches for electroweak neutralino and chargino production in channels with Higgs, Z, and W bosons in pp collisions at 8 TeV	печ.	Physical Review D 90, 2014, p.092007	36	Khachtryan V. et al. (CMS Collaboration)
478	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 74, 2014, p.3149	23	Khachtryan V. et al. (CMS Collaboration)
479	Search for Standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 1411, 2014, p.154	30	Khachtryan V. et al. (CMS Collaboration)
480	Search for supersymmetry with razor variables in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 90, 2014, p.112001	40	Chatrchyan S. et al. (CMS Collaboration)
481	Search for new resonances decaying via WZ to leptons in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 740, 2014, p.83-104	22	Khachtryan V. et al. (CMS Collaboration)
482	Identification techniques for highly boosted W bosons that decay into hadrons	печ.	Journal of High Energy Physics 1412, 2014, p.017	45	Khachtryan V. et al. (CMS Collaboration)
483	Searches for heavy Higgs bosons in two-Higgs-doublet models and for $t \rightarrow ch$ decay using multilepton and diphoton final states in pp collisions at 8 TeV $\sqrt{s} = 8$ TeV	печ.	Physical Review D 90, 2014, p.112013	23	Khachtryan V. et al. (CMS Collaboration)
484	Measurement of prompt $\psi(2S)$ to $J/\psi$ yield ratios in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physical Review Letters 113, 2014, p.262301	15	Khachtryan V. et al. (CMS Collaboration)
485	Higher flow harmonics and ridge effect in PbPb collisions in HYDJET++ model	печ.	Proc. of 18th Conference of Czech and Slovak Physicists, with participation of Hungarian and Polish Physical Societies, Olomouc, Czech Republic, 2014, c. 21-22	2	Eyyubova G., Korotkikh V.L., Petrushanko S.V., Snigirev A.M., Bravina L.V., Zabrodin E.E.

1	2	3	4	5	6
486	Measurement of the $pp \rightarrow ZZ$ production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 740, 2015, p.250-272	23	Khachtryan V. et al. (CMS Collaboration)
487	Differential cross section measurements for the production of a W boson in association with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 741, 2015, p.12-37	26	Khachtryan V. et al. (CMS Collaboration)
488	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 01, 2015, p.053	34	Khachtryan V. et al. (CMS Collaboration)
489	Measurement of the ratio of the production cross sections times branching fractions of $B_c^\pm \rightarrow J/\psi\pi^\pm$ and $B^\pm \rightarrow J/\psi K^\pm$ and $B(B_c^\pm \rightarrow J/\psi\pi^\pm\pi^\pm\pi^\pm)/B(B_c^\pm \rightarrow J/\psi\pi^\pm)$ in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 01, 2015, p.063	29	Khachtryan V. et al. (CMS Collaboration)
490	Study of vector boson scattering and search for new physics in events with two same-sign leptons and two jets	печ.	Physical Review Letters 114, 2015, p.051801	16	Khachtryan V. et al. (CMS Collaboration)
491	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies	печ.	Physics Letters B 742, 2015, p.200-224	25	Khachtryan V. et al. (CMS Collaboration)
492	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 75, 2015, p.66	35	Khachtryan V. et al. (CMS Collaboration)
493	Performance of the CMS missing transverse momentum reconstruction in pp data $\sqrt{s} = 8$ TeV	печ.	Journal of Instrumentation 10, 2015, p. 02006	56	Khachtryan V. et al. (CMS Collaboration)
494	Search for Displaced Supersymmetry in events with an electron and a muon with large impact parameters	печ.	Physical Review Letters 114, 2015, p.061801	15	Khachtryan V. et al. (CMS Collaboration)
495	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 01, 2015, p.096	42	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
496	Study of Z production in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV in the dimuon and dielectron decay channels	печ.	Journal of High Energy Physics 03, 2015, p.022	39	Chatrchyan S. et al. (CMS Collaboration)
497	Search for monotop signatures in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review Letters 114, 2015, p.101801	16	Khachtryan V. et al. (CMS Collaboration)
498	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 91, 2015, p.012007	21	Khachtryan V. et al. (CMS Collaboration)
499	Measurements of jet multiplicity and differential production cross sections of Z+jets events in proton-proton collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 91, 2015, p.052008	26	Khachtryan V. et al. (CMS Collaboration)
500	Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 91, 2015, p.052009	29	Khachtryan V. et al. (CMS Collaboration)
501	Measurement of the production cross section ratio $\sigma(\chi_{2b}(1P))/\sigma(\chi_{1b}(1P))$ in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 743, 2015, p.383-402	20	Khachtryan V. et al. (CMS Collaboration)
502	Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV	печ.	Physics Letters B 743, 2015, p.503-525	23	Khachtryan V. et al. (CMS Collaboration)
503	Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 91, 2015, p.052012	26	Khachtryan V. et al. (CMS Collaboration)
504	Search for supersymmetry using razor variables in events with b-tagged jets in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 91, 2015, p.052018	28	Khachtryan V. et al. (CMS Collaboration)
505	Search for a Standard model-like Higgs boson in the $\mu^+\mu^-$ and $e^+e^-$ decay channels at the LHC	печ.	Physics Letters B 744, 2015, p.184-207	24	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
506	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at 8 TeV	печ.	European Physical Journal C 75, 2015, p.147	27	Khachtryan V. et al. (CMS Collaboration)
507	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 75, 2015, p.151	22	Khachtryan V. et al. (CMS Collaboration)
508	Search for physics beyond the Standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 04, 2015, p.025	48	Khachtryan V. et al. (CMS Collaboration)
509	Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV	печ.	Physics Letters B 745, 2015, p.5-28	24	Khachtryan V. et al. (CMS Collaboration)
510	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	печ.	Journal of High Energy Physics 04, 2015, p.124	40	Khachtryan V. et al. (CMS Collaboration)
511	Measurement of the $Z\gamma$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings	печ.	Journal of High Energy Physics 04, 2015, p.164	39	Khachtryan V. et al. (CMS Collaboration)
512	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	печ.	European Physical Journal C 75, 2015, p.186	24	Khachtryan V. et al. (CMS Collaboration)
513	Measurement of $J/\psi$ and $\psi(2S)$ prompt double-differential cross sections in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review Letters 114, 2015, p.191802	16	Khachtryan V. et al. (CMS Collaboration)
514	Combined measurement of the Higgs boson mass in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS experiments	печ.	Physical Review Letters 114, 2015, p.191803	33	Aad G. et al. (ATLAS and CMS Collaborations)

1	2	3	4	5	6
515	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 TeV	печ.	European Physical Journal C 75, 2015, p.212	50	Khachtryan V. et al. (CMS Collaboration)
516	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 746, 2015, p.79-99	21	Khachtryan V. et al. (CMS Collaboration)
517	Measurement of the cross section ratio $\sigma_{t\bar{t}b\bar{b}}/\sigma_{t\bar{t}j\bar{j}}$ in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 746, 2015, p.132-153	22	Khachtryan V. et al. (CMS Collaboration)
518	Searches for supersymmetry using the MT2 variable in hadronic events produced in pp collisions at 8 TeV	печ.	Journal of High Energy Physics 05, 2015, p.078	51	Khachtryan V. et al. (CMS Collaboration)
519	Search for physics beyond the Standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 91, 2015, p.092005	37	Khachtryan V. et al. (CMS Collaboration)
520	Study of final-state radiation in decays of Z bosons produced in pp collisions at 7 TeV	печ.	Physical Review D 91, 2015, p.092012	24	Khachtryan V. et al. (CMS Collaboration)
521	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 75, 2015, p.235	25	Khachtryan V. et al. (CMS Collaboration)
522	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	European Physical Journal C 75, 2015, p.237	25	Khachtryan V. et al. (CMS Collaboration)
523	Ultra-relativistic heavy-ion collisions - a hot cocktail of hydrodynamics, resonances and jets	печ.	European Physical Journal Web of Conferences 95, 2015, p.03039	12	Zabrodin E., Bravina L., Brusheim Johansson B.H., Crkovska J., Eyyubova G.Kh., Korotkikh V.L., Malinina L.V., Petrushanko S.V., Snigirev A.M.



1	2	3	4	5	6
524	Generation of higher flow harmonics in Pb+Pb collisions at LHC in HYDJET++ model	печ.	European Physical Journal Web of Conferences 95, 2015, p.05004	8	Brusheim Johansson B.H., Bravina L.V., Eyyubova G.Kh., Korotkikh V.L., Malinina L.V., Petrushanko S.V., Snigirev A.M., Zabrodin E.E.
525	Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 747, 2015, p.98-119	22	Khachtryan V. et al. (CMS Collaboration)
526	Observation of the rare $B_0^s \rightarrow \mu^+\mu^-$ decay from the combined analysis of 6 CMS and LHCb data	печ.	Nature Physics 522, 2015, 68-72	5	Khachtryan V. et al. (CMS and LHCb Collaborations)
527	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	печ.	European Physical Journal C 75, 2015, p.251	28	Khachtryan V. et al. (CMS Collaboration)
528	Angular dihadron correlations as an interplay of elliptic and triangular flows	печ.	Physical Review C 91, 2015, p.064907	5	Eyyubova G.Kh, Korotkikh V.L., Petrushanko S.V., Snigirev A.M., Bravina L.V., Zabrodin E.E.
529	Performance of electron reconstruction and selection with the CMS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of Instrumentation 10, 2015, P06005	64	Khachtryan V. et al. (CMS Collaboration)
530	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure	печ.	Journal of High Energy Physics 06, 2015, p.80	47	Khachtryan V. et al. (CMS Collaboration)
531	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	печ.	Journal of High Energy Physics 06, 2015, p.121	38	Khachtryan V. et al. (CMS Collaboration)
532	Evidence for collective multi-particle correlations in pPb collisions	печ.	Physical Review Letters 115, 2015, p.012301	17	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
533	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 75, 2015, p.288	42	Khachtryan V. et al. (CMS Collaboration)
534	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 75, 2015, p.302	26	Khachtryan V. et al. (CMS Collaboration)
535	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 06, 2015, p.116	64	Khachtryan V. et al. (CMS Collaboration)
536	Measurement of diffractive dissociation cross sections in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physical Review D 92, 2015, p.012003	32	Khachtryan V. et al. (CMS Collaboration)
537	Constraints on the spin-parity and anomalous HVV couplings of the Higgs boson in proton collisions at 7 and 8 TeV	печ.	Physical Review D 92, 2015, p.012004	55	Khachtryan V. et al. (CMS Collaboration)
538	Search for third-generation scalar leptoquarks in the $t - \tau$ channel in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 07, 2015, p.042	43	Khachtryan V. et al. (CMS Collaboration)
539	Search for heavy Majorana neutrinos in $\mu^\pm\mu^\pm +$ jets events in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 748, 2015, p.144-166	23	Khachtryan V. et al. (CMS Collaboration)
540	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in $l^+l^-b\bar{b}$ final states	печ.	Physics Letters B 748, 2015, p.221-243	23	Khachtryan V. et al. (CMS Collaboration)
541	Search for narrow high-mass resonances in proton-proton collisions at $\sqrt{s} = 8$ TeV decaying to a Z and a Higgs boson	печ.	Physics Letters B 748, 2015, p.255-277	23	Khachtryan V. et al. (CMS Collaboration)
542	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 75, 2015, p.325	29	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
543	Measurements of the $\Upsilon(1S)$ , $\Upsilon(2S)$ , and $\Upsilon(3S)$ differential cross sections in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 749, 2015, p.14-34	21	Khachtryan V. et al. (CMS Collaboration)
544	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV	печ.	Physics Letters B 749, 2015, p.187-209	23	Khachtryan V. et al. (CMS Collaboration)
545	Search for the Standard model Higgs boson produced through vector boson fusion and decaying to $b\bar{b}$	печ.	Physical Review D 92, 2015, p.032008	26	Khachtryan V. et al. (CMS Collaboration)
546	Search for lepton-flavour-violating decays of the Higgs boson	печ.	Physics Letters B 749, 2015, p.337-362	26	Khachtryan V. et al. (CMS Collaboration)
547	Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of Instrumentation 10, 2015, P08010	59	Khachtryan V. et al. (CMS Collaboration)
548	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV	печ.	Physics Letters B 749, 2015, p.560-582	23	Khachtryan V. et al. (CMS Collaboration)
549	Angular coefficients of Z bosons produced in pp collisions at $\sqrt{s} = 8$ TeV and decaying to $\mu^+\mu^-$ as a function of transverse momentum and rapidity	печ.	Physics Letters B 750, 2015, p.154-175	22	Khachtryan V. et al. (CMS Collaboration)
550	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $\sqrt{s} = 2.76$ TeV	печ.	Journal of High Energy Physics 09, 2015, p.137	32	Khachtryan V. et al. (CMS Collaboration)
551	Evidence for transverse momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and pPb collisions	печ.	Physical Review C 92, 2015, p.034911	26	Khachtryan V. et al. (CMS Collaboration)
552	Single top quark production in heavy ion collisions at energies available at the CERN Large Hadron Collider	печ.	Physical Review C 92, 2015, p.044901	6	Baskakov A.V., Boos E.E., Dudko L.V., Snigirev A.M.

1	2	3	4	5	6
553	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 09, 2015, p.201	36	Khachtryan V. et al. (CMS Collaboration)
554	On jet structure in heavy ion collisions	печ.	European Physical Journal C 75, 2015, p. 452	12	Alkin A.A., Snigirev A.M.
555	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 750, 2015, p.494-519	26	Khachtryan V. et al. (CMS Collaboration)
556	Study of W boson production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physics Letters B 750, 2015, p.565-586	22	Khachtryan V. et al. (CMS Collaboration)
557	Search for supersymmetry with photons in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 92, 2015, p.072006	23	Khachtryan V. et al. (CMS Collaboration)
558	Limits on the Higgs boson lifetime and width from its decay to four charged leptons	печ.	Physical Review D 92, 2015, p.072010	28	Khachtryan V. et al. (CMS Collaboration)
559	Pseudorapidity distribution of charged hadrons in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 751, 2015, p.143-163	21	Khachtryan V. et al. (CMS Collaboration)
560	Comparison of the $Z/\gamma^*+jets$ to $\gamma+jets$ cross sections in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 10, 2015, p.128	45	Khachtryan V. et al. (CMS Collaboration)
561	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons	печ.	Journal of High Energy Physics 10, 2015, p.144	51	Khachtryan V. et al. (CMS Collaboration)
562	Measurements of the ZZ production cross sections in the $2l2\nu$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV and combined constraints on triple gauge couplings	печ.	European Physical Journal C 75, 2015, p. 511	26	Khachtryan V. et al. (CMS Collaboration)
563	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 11, 2015, p.018	62	Khachtryan V. et al. (CMS Collaboration)
564	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks	печ.	Journal of High Energy Physics 11, 2015, p.071	42	Khachtryan V. et al. (CMS Collaboration)
565	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 75, 2015, p. 542	39	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
566	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 11, 2015, p.189	41	Khachtryan V. et al. (CMS Collaboration)
567	Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 92, 2015, p.112001	17	Khachtryan V. et al. (CMS Collaboration)
568	Anisotropic flow fluctuations in hydro-inspired freeze-out model for relativistic heavy ion collisions	печ.	European Physical Journal C 75, 2015, p. 588	10	Bravina L.V., Fotina E.S., Korotkikh V.L., Malinina L.V., Nazarova E.N., Petrushanko S.V., Snigirev A.M., Zabrodin E.E.
569	Search for a light charged Higgs boson decaying to $c\bar{s}$ in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 12, 2015, p.178	36	Khachtryan V. et al. (CMS Collaboration)
570	A search for pair production of new light bosons decaying into muons	печ.	Physics Letters B 752, 2016, p.146-168	23	Khachtryan V. et al. (CMS Collaboration)
571	Search for neutral MSSM Higgs bosons decaying to $\mu^+\mu^-$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV	печ.	Physics Letters B 752, 2016, p.221-246	26	Khachtryan V. et al. (CMS Collaboration)
572	Search for a Higgs boson decaying into $\gamma^*\gamma \rightarrow ll\gamma$ with low dilepton mass in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 753, 2016, p.341-362	22	Khachtryan V. et al. (CMS Collaboration)
573	Search for exotic decays of a Higgs boson into undetectable particles and one or more photons	печ.	Physics Letters B 753, 2016, p.363-388	26	Khachtryan V. et al. (CMS Collaboration)
574	Angular analysis of the decay $B^0 \rightarrow K^{*0}\mu\mu$ from pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 753, 2016, p.424-448	25	Khachtryan V. et al. (CMS Collaboration)
575	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Journal of High Energy Physics 1, 2016, p.006	51	Khachtryan V. et al. (CMS Collaboration)
576	Search for resonant $t\bar{t}$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 93, 2016, p.012001	35	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
577	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 76, 2016, p. 13	31	Khachtryan V. et al. (CMS Collaboration)
578	Thermal and non-thermal charmed meson production in heavy ions collisions at the LHC	печ.	Journal of Physics: Conference Series 668, 2016, p.012068	4	Belyaev A.V., Eyyubova G.Kh., Ponimatkin G., Pronina E.Yu.
579	Features of triangular flow of strange and non-strange hadrons at LHC	печ.	Journal of Physics: Conference Series 668, 2016, p.012099	4	Zabrodin, E.E., Bravina L.V. Brusheim Johansson B.B., Crkovska J., Eyyubova G.Kh., Korotkikh V.L., Malinina L.V., Petrushanko S.V., Snigirev A.M.
580	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tau$ leptons in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 1, 2016, p.079	45	Khachtryan V. et al. (CMS Collaboration)
581	Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physics Letters B 754, 2016, p.59-80	22	Khachtryan V. et al. (CMS Collaboration)
582	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 1, 2016, p.096	54	Khachtryan V. et al. (CMS Collaboration)
598	Search for vector-like charge 2/3 T quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 93, 2016, p.012003	30	Khachtryan V. et al. (CMS Collaboration)
584	Study of B meson production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV using exclusive hadronic decays	печ.	Physical Review Letters 116, 2016, p.032301	18	Khachtryan V. et al. (CMS Collaboration)
585	HYDJET++ for ultra-relativistic HIC;s: A hot cocktail of hydrodynamics, resonances and jets	печ.	AIP Conference Proceedings 1701, 2016, p.060008	9	Bravina L.V., Brusheim Johansson B.H., Crkovska J., Eyyubova G.Kh., Korotkikh V.L., Malinina L.V., Petrushanko S.V., Snigirev A.M. Zabrodin E.,

1	2	3	4	5	6
586	Reconstruction and identification of $\tau$ lepton decays to hadrons and $\nu_\tau$ at CMS	печ.	Journal of Instrumentation 11, 2016, p.01019	74	Khachtryan V. et al. (CMS Collaboration)
587	Search for the production of an excited bottom quark decaying to $tW$ in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 1, 2016, p.166	43	Khachtryan V. et al. (CMS Collaboration)
588	Measurement of the top quark pair production cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physical Review Letters 116, 2016, p.052002	18	Khachtryan V. et al. (CMS Collaboration)
589	Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 755, 2016, p.102-124	23	Khachtryan V. et al. (CMS Collaboration)
590	Search for narrow resonances decaying to dijets in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physical Review Letters 116, 2016, p.071801	17	Khachtryan V. et al. (CMS Collaboration)
591	Search for $W'$ decaying to $\tau$ -lepton and neutrino in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 755, 2016, p.196-216	21	Khachtryan V. et al. (CMS Collaboration)
592	Searches for a heavy scalar boson $H$ decaying to a pair of 125 GeV Higgs bosons $hh$ or for a heavy pseudoscalar boson $A$ decaying to $Zh$ , in the final states with $h \rightarrow \tau\tau$	печ.	Physics Letters B 755, 2016, p.217-244	28	Khachtryan V. et al. (CMS Collaboration)
593	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 93, 2016, p.032004	32	Khachtryan V. et al. (CMS Collaboration)
594	Search for single production of scalar leptoquarks in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 93, 2016, p.032005	25	Khachtryan V. et al. (CMS Collaboration)
595	Measurement of the charge asymmetry in top quark pair production in $pp$ collisions at $\sqrt{s} = 8$ TeV using a template method	печ.	Physical Review D 93, 2016, p.034014	27	Khachtryan V. et al. (CMS Collaboration)
596	Search for $W' \rightarrow tb$ in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 2, 2016, p.122	41	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
597	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	печ.	Journal of High Energy Physics 2, 2016, p.145	41	Khachtryan V. et al. (CMS Collaboration)
598	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Journal of High Energy Physics 2, 2016, p.156	38	Khachtryan V. et al. (CMS Collaboration)
599	Measurements of $t\bar{t}$ spin correlations and top quark polarization using dilepton final states in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 93, 2016, p.052007	25	Khachtryan V. et al. (CMS Collaboration)
600	Measurement of the $t\bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 76, 2016, p.128	26	Khachtryan V. et al. (CMS Collaboration)
601	Measurement of the ratio $B(B_s^0 \rightarrow J/\psi f_0(980))/B(B_s^0 \rightarrow J/\psi \phi(1020))$ in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 756, 2016, p.84-102	19	Khachtryan V. et al. (CMS Collaboration)
602	Event generator tunes obtained from underlying event and multiparton scattering measurements	печ.	European Physical Journal C 76, 2016, p.155	52	Khachtryan V. et al. (CMS Collaboration)
603	Spectra and elliptic flow of charmed hadrons in HYDJET++ model	печ.	Proc. of European Physical Society Conference on High Energy Physics, Vienna, Austria, 2015, PoS EPS-HEP2015:2014	6	Eyyubova G.Kh., Belyaev A.V., Ponimatkin G., Pronina E.Yu.
604	Search for excited leptons in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 3, 2016, p.125	53	Khachtryan V. et al. (CMS Collaboration)
605	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 93, 2016, p.052011	29	Khachtryan V. et al. (CMS Collaboration)
606	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	печ.	Journal of High Energy Physics 4, 2016, p.005	45	Khachtryan V. et al. (CMS Collaboration)



1	2	3	4	5	6
607	Search for supersymmetry with a photon, a lepton, and missing transverse momentum in pp collisions at $\sqrt{s} = 8\text{TeV}$	печ.	Physics Letters B 757, 2016, p.6-31	26	Khachtryan V. et al. (CMS Collaboration)
608	Measurement of the CP-violating weak phase $\phi_s$ and the decay width difference $\Delta\Gamma_s$ using the $B_s^0 \rightarrow J/\psi\phi(1020)$ decay channel in pp collisions at $\sqrt{s} = 8\text{ TeV}$	печ.	Physics Letters B 757, 2016, p.97-120	24	Khachtryan V. et al. (CMS Collaboration)
609	Inclusive and differential measurements of the $t\bar{t}$ charge asymmetry in pp collisions at $\sqrt{s} = 8\text{ TeV}$	печ.	Physics Letters B 757, 2016, p.154-179	26	Khachtryan V. et al. (CMS Collaboration)
610	Measurement of the top quark mass using proton-proton data at $\sqrt{s} = 7$ and $8\text{ TeV}$	печ.	Physical Review D 93, 2016, p.072004	37	Khachtryan V. et al. (CMS Collaboration)
611	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s} = 8\text{ TeV}$	печ.	Journal of High Energy Physics 4, 2016, p.035	37	Khachtryan V. et al. (CMS Collaboration)
612	Measurement of top quark polarisation in t-channel single top quark production	печ.	Journal of High Energy Physics 4, 2016, p.035	41	Khachtryan V. et al. (CMS Collaboration)
613	Search for heavy Majorana neutrinos in $e^\pm e^\pm + jets$ and $e^\pm \mu^\pm + jets$ events in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$	печ.	Journal of High Energy Physics 4, 2016, p.169	42	Khachtryan V. et al. (CMS Collaboration)
614	Search for massive WH resonances decaying into the $lvb\bar{b}$ final state at $\sqrt{s} = 8\text{ TeV}$	печ.	European Physical Journal C 76, 2016, p.237	26	Khachtryan V. et al. (CMS Collaboration)
615	Measurement of long-range near-side two-particle angular correlations in pp collisions at $\sqrt{s} = 13\text{ TeV}$	печ.	Physical Review Letters 116, 2016, p.172302	19	Khachtryan V. et al. (CMS Collaboration)
616	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at $13\text{ TeV}$	печ.	Physics Letters B 758, 2016, p.152-180	29	Khachtryan V. et al. (CMS Collaboration)
617	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76\text{ TeV}$	печ.	European Physical Journal C 76, 2016, p.265	21	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
618	Search for a low-mass pseudoscalar Higgs boson produced in association with a $b\bar{b}$ pair in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 758, 2016, p.296-320	25	Khachtryan V. et al. (CMS Collaboration)
619	Measurement of spin correlations in $t\bar{t}$ production using the matrix element method in the muon+jets final state in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 758, 2016, p.321-346	26	Khachtryan V. et al. (CMS Collaboration)
620	Measurement of the top quark mass using charged particles in collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 93, 2016, p.092006	29	Khachtryan V. et al. (CMS Collaboration)
621	Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 759, 2016, p.9-35	27	Khachtryan V. et al. (CMS Collaboration)
622	Study of Z boson production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physics Letters B 759, 2016, p.36-57	30	Khachtryan V. et al. (CMS Collaboration)
623	Search for supersymmetry in pp collisions at $\sqrt{s} = 8$ TeV in final states with boosted W bosons and b jets using razor variables	печ.	Physical Review D 93, 2016, p.092009	31	Khachtryan V. et al. (CMS Collaboration)
624	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e - \mu$ pair in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 76, 2016, p.317	25	Khachtryan V. et al. (CMS Collaboration)
625	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 76, 2016, p.325	24	Khachtryan V. et al. (CMS Collaboration)
626	Search for neutral resonances decaying into a Z boson and a pair of b jets or $\tau$ leptons	печ.	Physics Letters B 759, 2016, p.369-394	26	Khachtryan V. et al. (CMS Collaboration)
627	Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 759, 2016, p.479-500	22	Khachtryan V. et al. (CMS Collaboration)
628	Search for pair-produced vector-like B quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 93, 2016, p.112009	32	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
629	Measurement of the inelastic cross section in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physics Letters B 759, 2016, p.641-662	22	Khachtryan V. et al. (CMS Collaboration)
630	Combined search for anomalous pseudoscalar $HVV$ couplings in $VH$ ( $H \rightarrow b\bar{b}$ ) production and $H \rightarrow VV$ decay	печ.	Physics Letters B 759, 2016, p.672-696	25	Khachtryan V. et al. (CMS Collaboration)
631	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks	печ.	European Physical Journal C 76, 2016, p.371	25	Khachtryan V. et al. (CMS Collaboration)
632	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	European Physical Journal C 76, 2016, p.372	34	Khachtryan V. et al. (CMS Collaboration)
633	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 760, 2016, p.178-201	24	Khachtryan V. et al. (CMS Collaboration)
634	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 6, 2016, p.177	47	Khachtryan V. et al. (CMS Collaboration)
635	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 7, 2016, p.027	48	Khachtryan V. et al. (CMS Collaboration)
636	Measurement of $t\bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 76, 2016, p.379	56	Khachtryan V. et al. (CMS Collaboration)
637	Measurement of the $W^+W^-$ cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous gauge couplings	печ.	European Physical Journal C 76, 2016, p.401	29	Khachtryan V. et al. (CMS Collaboration)
638	Search for narrow resonances in dijet final states at $\sqrt{s} = 8$ TeV with the novel CMS technique of data scouting	печ.	Physical Review Letters 117, 2016, p.031802	17	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
639	Measurements of $t\bar{t}$ charge asymmetry using dilepton final states in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 760, 2016, p.365-386	22	Khachtryan V. et al. (CMS Collaboration)
640	Measurement of the $Z\gamma \rightarrow \nu\bar{\nu}\gamma$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous $ZZ\gamma$ and $Z\gamma\gamma$ trilinear gauge boson couplings	печ.	Physics Letters B 760, 2016, p.448-468	21	Khachtryan V. et al. (CMS Collaboration)
641	Search for resonant production of high-mass photon pairs in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV	печ.	Physical Review Letters 117, 2016, p.051802	19	Khachtryan V. et al. (CMS Collaboration)
642	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	European Physical Journal C 76, 2016, p.439	29	Khachtryan V. et al. (CMS Collaboration)
643	Measurement of the $t\bar{t}$ production cross section in the $e\mu$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV	печ.	Journal of High Energy Physics 8, 2016, p.029	53	Khachtryan V. et al. (CMS Collaboration)
644	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	European Physical Journal C 76, 2016, p.451	26	Khachtryan V. et al. (CMS Collaboration)
645	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 76, 2016, p.460	46	Khachtryan V. et al. (CMS Collaboration)
646	Perspectives of anisotropic flow measurements at NICA	печ.	European Physical Journal A 52, 2016, p.248	4	Korotkikh V.L., Malinina L.V., Petrushanko S.V., Snigirev A.M.
647	$\Upsilon(nS)$ polarizations versus particle multiplicity in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Physics Letters B 761, 2016, p.31-52	22	Khachtryan V. et al. (CMS Collaboration)
648	Measurement of the differential cross section and charge asymmetry for inclusive $pp \rightarrow W^\pm + X$ production at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 76, 2016, p.469	27	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
649	HYDRO + JETS (HYDJET++) event generator for Pb+Pb collisions at LHC	печ.	Journal of Physics: Conference Series 736, 2016, p.012024	8	Bravina L., Brusheim Johansson B.B., Crkovska J., Eyyubova G., Korotkikh V., Malinina L., Nazarova E., Petrushanko S., Snigirev A., Zabrodin E.
650	Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at $\sqrt{s} = 7$ and 8 TeV	печ.	Journal of High Energy Physics 8, 2016, p.045	111	Aad G. et al. (ATLAS and CMS Collaborations)
651	Evidence for exclusive $\gamma\gamma \rightarrow W^+W^-$ production and constraints on anomalous quartic gauge couplings at $\sqrt{s} = 7$ and 8 TeV	печ.	Journal of High Energy Physics 8, 2016, p.119	46	Khachtryan V. et al. (CMS Collaboration)
652	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	печ.	Journal of High Energy Physics 8, 2016, p.122	48	Khachtryan V. et al. (CMS Collaboration)
653	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s} = 7$ TeV	печ.	Journal of High Energy Physics 8, 2016, p.139	40	Khachtryan V. et al. (CMS Collaboration)
654	Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $\sqrt{s} = 7$ and 8 TeV	печ.	Physical Review D 94, 2016, p.052006	25	Khachtryan V. et al. (CMS Collaboration)
655	Search for s channel single top quark production in pp collisions at $\sqrt{s} = 7$ and 8 TeV	печ.	Journal of High Energy Physics 9, 2016, p.027	30	Khachtryan V. et al. (CMS Collaboration)
656	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	печ.	Journal of High Energy Physics 9, 2016, p.051	43	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
657	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV	печ.	Physical Review D 94, 2016, p.052012	29	Khachtryan V. et al. (CMS Collaboration)
658	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 76, 2016, p.536	22	Khachtryan V. et al. (CMS Collaboration)
659	Search for new physics with the $MT2$ variable in all-jets final states produced in pp collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 10, 2016, p.006	60	Khachtryan V. et al. (CMS Collaboration)
660	Dose rate effects in the radiation damage of the plastic scintillators of the CMS Hadron Endcap Calorimeter	печ.	Journal of Instrumentation 11, 2016, p. T10004	9	Khachtryan V. et al. (CMS HCAL Collaboration)
661	Measurement of the integrated and differential $t\bar{t}$ production cross sections for high- $p_T$ top quarks in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 94, 2016, p.072002	25	Khachtryan V. et al. (CMS Collaboration)
662	Measurement of the W boson helicity fractions in the decays of top quark pairs to lepton+jets final states produced in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 762, 2016, p.512-534	23	Khachtryan V. et al. (CMS Collaboration)
663	Hydro and jets in relativistic heavy-ion collisions	печ.	European Physical Journal Web of Conferences 125, 2016, p.04010	8	Bravina L.V., Brusheim Johansson B.H., Crkovska J., Eyyubova G.Kh., Korotkikh V.L., Malinina L.V., Nazarova E.N., Petrushanko S.V., Snigirev A.M., Zabrodin E.E.
664	Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s} = 7$ and 8 TeV	печ.	Journal of High Energy Physics 10, 2016, p.129	52	Khachtryan V. et al. (CMS Collaboration)
665	Anisotropic flow fluctuations in Pb+Pb collisions at LHC	печ.	European Physical Journal Web of Conferences 126, 2016, p.04006	8	Bravina L.V., Korotkikh V.L., Malinina L.V., Nazarova E.N., Petrushanko S.V., Snigirev A.M., Zabrodin E.E.

1	2	3	4	5	6
666	Measurement of the ZZ production cross section and $Z \rightarrow l^+l^-l'^+l'^-$ branching fraction in pp collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 763, 2016, p.280-303	24	Khachtryan V. et al. (CMS Collaboration)
667	Charmed meson and charmonium production in PbPb collisions at the LHC	печ.	Journal of Physics G 43 (2016) 125104	13	Belyaev A.V., Eyyubova G.Kh., Ponimatkin G., Pronina E.Yu.
668	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Journal of High Energy Physics 11, 2016, p.055	42	Khachtryan V. et al. (CMS Collaboration)
669	Search for lepton flavour violating decays of the Higgs boson to $e\tau$ and $e\mu$ in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 763, 2016, p.472-500	29	Khachtryan V. et al. (CMS Collaboration)
670	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 11, 2016, p.147	35	Khachtryan V. et al. (CMS Collaboration)
671	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physical Review D 94, 2016, p.112004	23	Khachtryan V. et al. (CMS Collaboration)
672	Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at 7 TeV	печ.	Physical Review D 94, 2016, p.112005	24	Khachtryan V. et al. (CMS Collaboration)
673	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	печ.	Journal of High Energy Physics 12, 2016, p.013	39	Khachtryan V. et al. (CMS Collaboration)
674	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets	печ.	Journal of High Energy Physics 12, 2016, p.083	53	Khachtryan V. et al. (CMS Collaboration)
675	Search for dark matter particles in proton-proton collisions at $\sqrt{s} = 8$ TeV using the razor variables	печ.	Journal of High Energy Physics 12, 2016, p.088	47	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
676	Measurement of the mass of the top quark in decays with a $J/\psi$ meson in pp collisions at 8 TeV	печ.	Journal of High Energy Physics 12, 2016, p.123	38	Khachtryan V. et al. (CMS Collaboration)
677	Searches for R-parity-violating supersymmetry in pp collisions at $\sqrt{s} = 8$ TeV in final states with 0-4 leptons	печ.	Physical Review D 94, 2016, p.112009	43	Khachtryan V. et al. (CMS Collaboration)
678	Anisotropic flow fluctuations in Pb-Pb collisions at the LHC energy in HYDJET++ model	печ.	Proc. of XX International Scientific Conference of Young Scientists and Specialists (AYSS-2016) Dedicated to the 60th Anniversary of the Joint Institute for Nuclear Research, 2016, p.180-184	5	Nazarova E.N., Bravina L.V., Fotina E.S., Korotkikh V.L., Malinina L.V., Petrushanko S.V., Snigirev A.M., Zabrodin E.E.
679	Novel developments of HYDJET++ model for ultra-relativistic heavy-ion collisions	печ.	Proc. of International Symposium "New Horizons in Fundamental Physics", FIAS Interdisciplinary Science Series, 2017, p.187-197	11	Bravina L., Brusheim Johansson B.H., Crkovska J., Eyyubova G., Korotkikh V., Malinina L., Nazarova E., Petrushanko S., Snigirev A., Zabrodin E.
680	Observation of the decay $B^+ \rightarrow \psi(2S)\phi(1020)K^+$ in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 764, 2017, p.66-86	21	Khachtryan V. et al. (CMS Collaboration)
681	Evidence for collectivity in pp collisions at the LHC	печ.	Physics Letters B 765, 2017, p.193-220	28	Khachtryan V. et al. (CMS Collaboration)
682	Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s} = 13$ TeV	печ.	Physical Review D 95, 2017, p.112003	32	Khachtryan V. et al. (CMS Collaboration)
683	Measurements of the $t\bar{t}$ production cross section in lepton+jets final states in pp collisions at 8 TeV and ratio of 8 to 7 TeV cross sections	печ.	European Physical Journal C 77, 2017, p.15	27	Khachtryan V. et al. (CMS Collaboration)



1	2	3	4	5	6
684	О возможности термализации тяжелых мезонов в ультрарелятивистских ядро-ядерных взаимодействиях	печ.	Журнал экспериментальной и теоретической физики 151, 2017, с.285	8	Беляев А.В., Пониматкин Г., Пронина Е.Ю., Эйюбова Г.Х.
685	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	печ.	Physical Review Letters 118, 2017, p.021802	18	Khachtryan V. et al. (CMS Collaboration)
686	Search for high-mass $Z\gamma$ resonances in $e^+e^-\gamma$ and $\mu^+\mu^-\gamma$ final states in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV	печ.	Journal of High Energy Physics 1, 2017, p.076	32	Khachtryan V. et al. (CMS Collaboration)
687	Influence of jets and decays of resonances on the triangular flow in ultrarelativistic heavy-ion collisions	печ.	Physical Review C 95, 2017, p.914910	9	Crkovska J., Bielcik J., Bravina L., Brusheim Johansson B.H., Zabrodin E., Eyyubova G., Korotkikh V.L., Malinina L.V., Petrushanko S.V., Snigirev A.M.,
688	The CMS trigger system	печ.	Journal of Instrumentation 12, 2017, p. P01020	118	Khachtryan V. et al. (CMS Collaboration)
689	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 766, 2017, p.268-290	23	Khachtryan V. et al. (CMS Collaboration)
690	Search for R-parity violating supersymmetry with displaced vertices in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 95, 2017, p.012009	23	Khachtryan V. et al. (CMS Collaboration)
691	Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions $\sqrt{s} = 13$ TeV	печ.	Physical Review D 95, 2017, p.012011	26	Khachtryan V. et al. (CMS Collaboration)
692	Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search	печ.	Physics Letters B 767, 2017, p.147-170	24	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
693	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	печ.	Journal of High Energy Physics 2, 2017, p.028	44	Khachtryan V. et al. (CMS Collaboration)
694	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 2, 2017, p.048	34	Khachtryan V. et al. (CMS Collaboration)
695	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 2, 2017, p.079	43	Khachtryan V. et al. (CMS Collaboration)
696	Measurement of the production cross section of the W boson in association with two b jets in pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 77, 2017, p.92	23	Khachtryan V. et al. (CMS Collaboration)
697	Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s} = 8$ TeV using the $\alpha_T$ variable	печ.	Physics Letters B 767, 2017, p.403-430	28	Khachtryan V. et al. (CMS Collaboration)
698	Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV	печ.	Journal of Instrumentation 12, 2017, p.02014	92	Khachtryan V. et al. (CMS Collaboration)
699	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 2, 2017, p.096	43	Khachtryan V. et al. (CMS Collaboration)
700	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 13$ TeV and combination with 8 TeV data	печ.	Physics Letters B 768, 2017, p.57-80	24	Khachtryan V. et al. (CMS Collaboration)
701	Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC	печ.	Physics Letters B 768, 2017, p.103-129	27	Khachtryan V. et al. (CMS Collaboration)
702	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks	печ.	Physics Letters B 768, 2017, p.137-162	26	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
703	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8,$ and 13 TeV	печ.	Journal of High Energy Physics 2, 2017, p.135	55	Khachtryan V. et al. (CMS Collaboration)
704	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s} = 8$ TeV using $H \rightarrow WW$ decays	печ.	Journal of High Energy Physics 3, 2017, p.032	43	Khachtryan V. et al. (CMS Collaboration)
705	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	печ.	Journal of High Energy Physics 3, 2017, p.061	44	Sirunyan A.M. et al. (CMS Collaboration)
706	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying $\tau$ leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 3, 2017, p.077	35	Khachtryan V. et al. (CMS Collaboration)
707	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 95, 2017, p.052002	33	Khachtryan V. et al. (CMS Collaboration)
708	Measurement of the $t\bar{t}$ production cross section using events in the $e\mu$ final state in pp collisions at $\sqrt{s} = 13$ TeV	печ.	European Physical Journal C 77, 2017, p.172	22	Khachtryan V. et al. (CMS Collaboration)
709	Search for CP violation in $t\bar{t}$ production and decay in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 3, 2017, p.101	34	Khachtryan V. et al. (CMS Collaboration)
710	Observation of charge-dependent azimuthal correlations in p-Pb collisions and its implication for the search for the chiral magnetic effect	печ.	Physical Review Letters 118, 2017, p.122301	17	Khachtryan V. et al. (CMS Collaboration)
711	Measurement and QCD analysis of double-differential inclusive jet cross-sections in pp collisions at $\sqrt{s} = 8$ TeV and ratios to 2.76 and 7 TeV	печ.	Journal of High Energy Physics 3, 2017, p.156	51	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
712	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 3, 2017, p.162	55	Sirunyan A.M. et al. (CMS Collaboration)
713	Search for electroweak production of charginos in final states with two $\tau$ leptons in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 4, 2017, p.018	48	Khachtryan V. et al. (CMS Collaboration)
714	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 4, 2017, p.022	69	Khachtryan V. et al. (CMS Collaboration)
715	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Journal of High Energy Physics 4, 2017, p.039	44	Khachtryan V. et al. (CMS Collaboration)
716	Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 13 TeV	печ.	Physics Letters B 769, 2017, p.391-412	22	Khachtryan V. et al. (CMS Collaboration)
717	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7$ and 8 TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 77, 2017, p.236	29	Khachtryan V. et al. (CMS Collaboration)
718	Suppression and azimuthal anisotropy of prompt and nonprompt $J/\psi$ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	European Physical Journal C 77, 2017, p.252	33	Khachtryan V. et al. (CMS Collaboration)
719	Measurement of prompt and nonprompt $J/\psi$ production in pp and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	European Physical Journal C 77, 2017, p.269	27	Sirunyan A.M. et al. (CMS Collaboration)
720	Relative modification of prompt $\psi(2S)$ and $J/\psi$ yields from pp to PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physical Review Letters 118, 2017, p.162301	17	Sirunyan A.M. et al. (CMS Collaboration)
721	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	печ.	Journal of High Energy Physics 4, 2017, p.136	35	Sirunyan A.M. et al. (CMS Collaboration)

1	2	3	4	5	6
722	Search for dijet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter and other models	печ.	Physics Letters B 769, 2017, p.520-542	23	Sirunyan A.M. et al. (CMS Collaboration)
723	Measurement of differential cross sections for top quark pair production using the lepton+jets final state in proton-proton collisions at 13 TeV	печ.	Physical Review D 95, 2017, p.092001	39	Khachtryan V. et al. (CMS Collaboration)
724	Mechanical stability of the CMS strip tracker measured with a laser alignment system	печ.	Journal of Instrumentation 12, 2017, p.04023	38	Sirunyan A.M. et al. (CMS Collaboration)
725	Observation of $\Upsilon(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 5, 2017, p.013	33	Khachtryan V. et al. (CMS Collaboration)
726	A search for new phenomena in pp collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the $\alpha_T$ variable	печ.	European Physical Journal C 77, 2017, p.294	38	Khachtryan V. et al. (CMS Collaboration)
727	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	печ.	Journal of High Energy Physics 5, 2017, p.029	36	Sirunyan A.M. et al. (CMS Collaboration)
728	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 770, 2017, p.50-71	22	Chatrchyan S. et al. (CMS Collaboration)
729	Search for new phenomena in events with high jet multiplicity and low missing transverse momentum in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 770, 2017, p.257-267	11	Khachtryan V. et al. (CMS Collaboration)
730	Search for heavy gauge $W'$ boson in events with an energetic lepton and large missing transverse momentum at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 770, 2017, p.278-301	24	Khachtryan V. et al. (CMS Collaboration)
731	Suppression of $\Upsilon(1S)$ , $\Upsilon(2S)$ , and $\Upsilon(3S)$ quarkonium states in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physics Letters B 770, 2017, p.357-379	23	Khachtryan V. et al. (CMS Collaboration)

1	2	3	4	5	6
732	Searches for pair production for third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions	печ.	European Physical Journal C 77, 2017, p.327	39	Sirunyan A.M. et al. (CMS Collaboration)
733	Measurement of the cross section for electroweak production of $Z \gamma$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 770, 2017, p.380-402	23	Khachtryan V. et al. (CMS Collaboration)
734	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	печ.	Physics Letters B 771, 2017, p.80-105	26	Khachtryan V. et al. (CMS Collaboration)
735	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 77, 2017, p.354	25	Sirunyan A.M. et al. (CMS Collaboration)
736	Measurement of the differential inclusive $B^+$ hadron cross sections in pp collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 771, 2017, p.435-456	22	Khachtryan V. et al. (CMS Collaboration)
737	Search for anomalous couplings in boosted $WW/WZ \rightarrow lvq\bar{q}$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 772, 2017, p.21-42	22	Sirunyan A.M. et al. (CMS Collaboration)
738	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	печ.	Journal of High Energy Physics 6, 2017, p.106	41	Khachtryan V. et al. (CMS Collaboration)
739	Search for $t\bar{t}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 7, 2017, p.001	46	Sirunyan A.M. et al. (CMS Collaboration)
740	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	печ.	Journal of High Energy Physics 7, 2017, p.003	42	Sirunyan A.M. et al. (CMS Collaboration)

1	2	3	4	5	6
741	Search for new physics with dijet angular distributions in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 7, 2017, p.013	35	Khachtryan V. et al. (CMS Collaboration)
742	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 7, 2017, p.014	49	Sirunyan A.M. et al. (CMS Collaboration)
743	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions	печ.	European Physical Journal C 77, 2017, p.459	45	Sirunyan A.M. et al. (CMS Collaboration)
744	Measurement of the jet mass in highly boosted $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 77, 2017, p.467	28	Sirunyan A.M. et al. (CMS Collaboration)
745	Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physics Letters B 772, 2017, p.306-329	24	Sirunyan A.M. et al. (CMS Collaboration)
746	Search for Standard model production of four top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 772, 2017, p.336-358	23	Sirunyan A.M. et al. (CMS Collaboration)
747	Search for high-mass $Z\gamma$ resonances at $\sqrt{s} = 8$ and 13 TeV using jet substructure techniques	печ.	Physics Letters B 772, 2017, p.363-387	25	Sirunyan A.M. et al. (CMS Collaboration)
748	Coherent $J/\psi$ photoproduction in ultra-peripheral PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the CMS experiment	печ.	Physics Letters B 772, 2017, p.489-511	23	Khachtryan V. et al. (CMS Collaboration)
749	Measurement of inclusive jet cross-sections in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	печ.	Physical Review C 96, 2017, p.015202	20	Khachtryan V. et al. (CMS Collaboration)
750	Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 772, 2017, p.634-656	23	Sirunyan A.M. et al. (CMS Collaboration)

1	2	3	4	5	6
751	Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at $\sqrt{s} = 13$ TeV	печ.	Physical Review D 96, 2017, p.012004	32	Khachtryan V. et al. (CMS Collaboration)
752	Search for the 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	печ.	Journal of High Energy Physics 7, 2017, p.121	34	Sirunyan A.M. et al. (CMS Collaboration)
753	Cross section measurement of t-channel single top quark production in pp collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 772, 2017, p.752-776	25	Sirunyan A.M. et al. (CMS Collaboration)
754	Pseudorapidity dependence of long-range two-particle correlations in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physical Review C 96, 2017, p.014915	21	Khachtryan V. et al. (CMS Collaboration)
755	Searches for $W'$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV	печ.	Journal of High Energy Physics 8, 2017, p.029	41	Sirunyan A.M. et al. (CMS Collaboration)
756	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 8, 2017, p.046	30	Sirunyan A.M. et al. (CMS Collaboration)
757	Search for top quark partners with charge 5/3 in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 8, 2017, p.073	42	Sirunyan A.M. et al. (CMS Collaboration)
758	Measurement of the top quark mass in the dileptonic $t\bar{t}$ decay channel using the mass observables $M_{b1}$ , $M_{T2}$ , and $M_{bl\nu}$ in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 96, 2017, p.032002	31	Sirunyan A.M. et al. (CMS Collaboration)
759	Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV	печ.	Physical Review D 96, 2017, p.032003	38	Sirunyan A.M. et al. (CMS Collaboration)
760	Study of jet quenching with Z+jet correlations in Pb-Pb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physical Review Letters 119, 2017, p.082301	18	Sirunyan A.M. et al. (CMS Collaboration)



1	2	3	4	5	6
761	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 $\sqrt{s} = 13$ TeV	печ.	European Physical Journal C 77, 2017, p.578	31	Sirunyan A.M. et al. (CMS Collaboration)
762	Measurement of the $t\bar{t}$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 9, 2017, p.051	39	Sirunyan A.M. et al. (CMS Collaboration)
763	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 9, 2017, p.053	41	Sirunyan A.M. et al. (CMS Collaboration)
764	Search for low mass vector resonances decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physical Review Letters 119, 2017, p.111802	18	Sirunyan A.M. et al. (CMS Collaboration)
765	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	European Physical Journal C 77, 2017, p.635	29	Khachtryan V. et al. (CMS Collaboration)
766	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13$ TeV	печ.	European Physical Journal C 77, 2017, p.636	24	Sirunyan A.M. et al. (CMS Collaboration)
767	Search for leptophobic $Z'$ bosons decaying into four-lepton final states in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 773, 2017, p.563-584	22	Khachtryan V. et al. (CMS Collaboration)
768	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	печ.	Journal of High Energy Physics 10, 2017, p.005	63	Sirunyan A.M. et al. (CMS Collaboration)
769	Measurement of the semileptonic $t\bar{t} + \gamma$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 10, 2017, p.006	41	Sirunyan A.M. et al. (CMS Collaboration)
770	Search for top squark pair production in pp collisions at $\sqrt{s} = 13$ TeV using single lepton events	печ.	Journal of High Energy Physics 10, 2017, p.019	40	Sirunyan A.M. et al. (CMS Collaboration)

1	2	3	4	5	6
771	Particle-flow reconstruction and global event description with the CMS detector	печ.	Journal of Instrumentation 12, 2017, p.10003	84	Sirunyan A.M. et al. (CMS Collaboration)
772	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into a pair of W and Z bosons using pp collisions at $\sqrt{s} = 13$ TeV	печ.	Physical Review Letters 119, 2017, p.141802	18	Sirunyan A.M. et al. (CMS Collaboration)
773	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	печ.	Physical Review Letters 119, 2017, p.151802	18	Sirunyan A.M. et al. (CMS Collaboration)
774	Measurement of the $B^\pm$ meson nuclear modification factor in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physical Review Letters 119, 2017, p.152301	17	Sirunyan A.M. et al. (CMS Collaboration)
775	Search for black holes and other new phenomena in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 774, 2017, p.279-307	29	Sirunyan A.M. et al. (CMS Collaboration)
776	Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV	печ.	Physics Letters B 774, 2017, p.533-558	26	Sirunyan A.M. et al. (CMS Collaboration)
776	Measurements of the $pp \rightarrow W\gamma\gamma$ and $pp \rightarrow Z\gamma\gamma$ cross sections and limits on anomalous quartic gauge couplings at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 10, 2017, p.072	35	Sirunyan A.M. et al. (CMS Collaboration)
778	Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 10, 2017, p.073	37	Sirunyan A.M. et al. (CMS Collaboration)
779	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 10, 2017, p.076	52	Khachtryan V. et al. (CMS Collaboration)
780	Measurements of jet charge with dijet events in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 10, 2017, p.131	41	Sirunyan A.M. et al. (CMS Collaboration)
781	Search for Higgs boson pair production in the $bb\tau\tau$ final state in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 96, 2017, p.072004	25	Sirunyan A.M. et al. (CMS Collaboration)

1	2	3	4	5	6
782	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	печ.	Physical Review D 96, 2017, p.072005	25	Sirunyan A.M. et al. (CMS Collaboration)
783	Search for new phenomena with the $M_{T2}$ variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	European Physical Journal C 77, 2017, p.710	34	Sirunyan A.M. et al. (CMS Collaboration)
784	HYDJET++ model as a hot mixture of jets and hydrodynamics at ultra-relativistic heavy-ion collisions	печ.	Nuclear and Particle Physics Proceedings 289, 2017, p.381	4	Petrushanko S.V., Alkin A.A., Belyaev A.V, Bravina L.V., Eyyubova G.Kh, Korotkikh V.L., Malinina L.V., Nazarova E.N., Ponimatkin G., Pronina E.Yu., Snigirev A.M., Zabrodin E.E.
785	Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 774, 2017, p.682-705	24	Sirunyan A.M. et al. (CMS Collaboration)
786	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 11, 2017, p.010	34	Sirunyan A.M. et al. (CMS Collaboration)
787	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV and constraints on parton distribution functions	печ.	European Physical Journal C 77, 2017, p.746	29	Sirunyan A.M. et al. (CMS Collaboration)
788	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 77, 2017, p.751	34	Khachtryan V. et al. (CMS Collaboration)
789	Dynamical vs geometric anisotropy in relativistic heavy-ion collisions: Which one prevails?	печ.	European Physical Journal A 53, 2017, p.219	9	Bravina L.V., Malinina L.V., Petrushanko S.V., Snigirev A.M., Zabrodin E.E.

1	2	3	4	5	6
790	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\gamma\gamma$ at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 10, 2017, p.180	47	Sirunyan A.M. et al. (CMS Collaboration)
791	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 11, 2017, p.029	40	Sirunyan A.M. et al. (CMS Collaboration)
792	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 11, 2017, p.047	54	Sirunyan A.M. et al. (CMS Collaboration)
793	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 11, 2017, p.085	47	Sirunyan A.M. et al. (CMS Collaboration)
794	Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state	печ.	Physics Letters B 775, 2017, p.1-24	24	Sirunyan A.M. et al. (CMS Collaboration)
795	Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 775, 2017, p.315-337	23	Sirunyan A.M. et al. (CMS Collaboration)
796	Search for evidence of the type-III seesaw mechanism in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physical Review Letters 119, 2017, p.221802	17	Sirunyan A.M. et al. (CMS Collaboration)
797	Measurement of charged pion, kaon, and proton production in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physical Review D 96, 2017, p.112003	24	Sirunyan A.M. et al. (CMS Collaboration)
798	Principal-component analysis of two-particle azimuthal correlations in PbPb and pPb collisions at CMS	печ.	Physical Review C 96, 2017, p.064902	21	Sirunyan A.M. et al. (CMS Collaboration)
799	Search for dark matter produced in association with heavy-flavor quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	European Physical Journal C 77, 2017, p.845	36	Sirunyan A.M. et al. (CMS Collaboration)

1	2	3	4	5	6
800	Observation of top quark production in proton-nucleus collisions	печ.	Physical Review Letters 119, 2017, p.242001	17	Sirunyan A.M. et al. (CMS Collaboration)
801	Radioactive source calibration test of the CMS Hadron Endcap Calorimeter test wedge with Phase I upgrade electronics	печ.	Journal of Instrumentation 12, 2017, P12034	16	Chatrchyan S. et al. (CMS Collaboration)
802	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	печ.	Journal of High Energy Physics 12, 2017, p.142	35	Sirunyan A.M. et al. (CMS Collaboration)
803	Рождение очарованных мезонов в столкновениях ионов свинца на Большом адронном коллайдере в модели HYDJET++	печ.	Физика элементарных частиц и атомного ядра 48, 2017, с.896	5	Беляев А.В., Пониматкин Г., Пронина Е.Ю., Эйюбова Г.Х.
804	Azimuthal anisotropy of charged particles with transverse momentum up to 100 GeV/c in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physics Letters B 776, 2018, p.195-216	22	Sirunyan A.M. et al. (CMS Collaboration)
805	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 $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 776, 2018, p.355-378	24	Sirunyan A.M. et al. (CMS Collaboration)
806	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	печ.	Physics Letters B 777, 2018, p.39-63	25	Sirunyan A.M. et al. (CMS Collaboration)
807	Brightness and uniformity measurements of plastic scintillator tiles at the CERN H2 test beam	печ.	Journal of Instrumentation 13, 2018, P01002	16	Chatrchyan S. et al. (CMS HCAL Collaboration)
808	Pseudorapidity distributions of charged hadrons in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ and 8.16 TeV	печ.	Journal of High Energy Physics 12, 2018, p.045	33	Sirunyan A.M. et al. (CMS Collaboration)
809	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}l\nu l\nu$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 12, 2018, p.054	41	Sirunyan A.M. et al. (CMS Collaboration)

1	2	3	4	5	6
810	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 1, 2018, p.097	40	Sirunyan A.M. et al. (CMS Collaboration)
811	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	печ.	Physics Letters B 778, 2018, p.101-127	27	Sirunyan A.M. et al. (CMS Collaboration)
812	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	печ.	Physics Letters B 778, 2018, p.263-291	28	Sirunyan A.M. et al. (CMS Collaboration)
813	Search for pair production of excited top quarks in the lepton+jets final state	печ.	Physics Letters B 778, 2018, p.349-370	22	Sirunyan A.M. et al. (CMS Collaboration)
814	Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks	печ.	Physical Review D 97, 2018, p.012007	29	Sirunyan A.M. et al. (CMS Collaboration)
815	Search for Higgsino pair production in pp collisions at $\sqrt{s} = 13$ TeV in final states with large missing transverse momentum and two Higgs bosons decaying via $H \rightarrow b\bar{b}$	печ.	Physical Review D 97, 2018, p.032007	29	Sirunyan A.M. et al. (CMS Collaboration)
816	Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s} = 13$ TeV	печ.	Physical Review D 97, 2018, p.032009	29	Sirunyan A.M. et al. (CMS Collaboration)
817	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 2, 2018, p.032	37	Sirunyan A.M. et al. (CMS Collaboration)
818	Search for pair production of vector-like quarks in the $bW\bar{b}W$ channel from proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 779, 2018, p.82-106	25	Sirunyan A.M. et al. (CMS Collaboration)
819	Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 779, 2018, p.166-190	25	Sirunyan A.M. et al. (CMS Collaboration)

1	2	3	4	5	6
820	Inclusive search for a highly boosted Higgs boson decaying to a bottom quark-antiquark pair	печ.	Physical Review Letters 120, 2018, p.071802	18	Sirunyan A.M. et al. (CMS Collaboration)
821	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	печ.	Physical Review Letters 120, 2018, p.081801	17	Sirunyan A.M. et al. (CMS Collaboration)
822	Search for Standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	European Physical Journal C 78, 2018, p.140	24	Sirunyan A.M. et al. (CMS Collaboration)
823	Measurements of the $pp \rightarrow ZZ$ production cross section and the $Z \rightarrow 4l$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV	печ.	European Physical Journal C 78, 2018, p.165	29	Sirunyan A.M. et al. (CMS Collaboration)
824	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	печ.	Journal of High Energy Physics 2, 2018, p.067	45	Sirunyan A.M. et al. (CMS Collaboration)
825	Observation of the Higgs boson decay to a pair of $\tau$ leptons with the CMS detector	печ.	Physics Letters B 779, 2018, p.283-316	34	Sirunyan A.M. et al. (CMS Collaboration)
826	Measurement of the associated production of a single top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 779, 2018, p.358-384	27	Sirunyan A.M. et al. (CMS Collaboration)
827	Observation of correlated azimuthal anisotropy Fourier harmonics in pp and p+Pb collisions at the LHC	печ.	Physical Review Letters 120, 2018, p.092301	17	Sirunyan A.M. et al. (CMS Collaboration)
828	Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 780, 2018, p.118-143	26	Sirunyan A.M. et al. (CMS Collaboration)
829	Search for $ZZ$ resonances in the $2l2\nu$ final state in proton-proton collisions at 13 TeV	печ.	Journal of High Energy Physics 3, 2018, p.003	38	Sirunyan A.M. et al. (CMS Collaboration)

1	2	3	4	5	6
830	Measurement of quarkonium production cross sections in pp collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 780, 2018, p.251-272	22	Sirunyan A.M. et al. (CMS Collaboration)
831	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	печ.	Journal of High Energy Physics 3, 2018, p.076	54	Sirunyan A.M. et al. (CMS Collaboration)
832	Measurement of the inclusive $t\bar{t}$ cross section in pp collisions at $\sqrt{s} = 5.02$ TeV using final states with at least one charged lepton	печ.	Journal of High Energy Physics 3, 2018, p.115	45	Sirunyan A.M. et al. (CMS Collaboration)
833	Search for supersymmetry in events with one lepton and multiple jets exploiting the angular correlation between the lepton and the missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 780, 2018, p.384-409	26	Sirunyan A.M. et al. (CMS Collaboration)
834	Search for new long-lived particles at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 780, 2018, p.432-454	23	Sirunyan A.M. et al. (CMS Collaboration)
835	Evidence for the Higgs boson decay to a bottom quark-antiquark pair	печ.	Physics Letters B 780, 2018, p.501-532	32	Sirunyan A.M. et al. (CMS Collaboration)
836	Suppression of excited $\Upsilon$ states relative to the ground state in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physical Review Letters 120, 2018, p.142301	17	Sirunyan A.M. et al. (CMS Collaboration)
837	Measurement of the splitting function in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physical Review Letters 120, 2018, p.142302	17	Sirunyan A.M. et al. (CMS Collaboration)
838	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 3, 2018, p.160	46	Sirunyan A.M. et al. (CMS Collaboration)
839	Measurement of differential cross sections in the kinematic angular variable $\phi^*$ for inclusive Z boson production in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 3, 2018, p.172	43	Sirunyan A.M. et al. (CMS Collaboration)



1	2	3	4	5	6
840	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s} = 7$ TeV	печ.	European Physical Journal C 78, 2018, p.242	27	Sirunyan A.M. et al. (CMS Collaboration)
841	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 78, 2018, p.287	34	Sirunyan A.M. et al. (CMS Collaboration)
842	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	European Physical Journal C 78, 2018, p.291	32	Sirunyan A.M. et al. (CMS Collaboration)
843	Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 781, 2018, p.244-269	26	Sirunyan A.M. et al. (CMS Collaboration)
844	Search for excited states of light and heavy flavor in $\gamma$ +jet final states in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 781, 2018, p.390-411	22	Sirunyan A.M. et al. (CMS Collaboration)
845	Search for massive resonances decaying into WW, WZ, ZZ, qW, and qZ with dijet final states at $\sqrt{s} = 13$ TeV	печ.	Physical Review D 97, 2018, p.072006	25	Sirunyan A.M. et al. (CMS Collaboration)
846	Search for vectorlike light-flavor quark partners in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review D 97, 2018, p.072008	36	Sirunyan A.M. et al. (CMS Collaboration)
847	Measurement of the $\Lambda_b$ polarization and angular parameters in $\Lambda_b \rightarrow J/\psi\Lambda$ decays from pp collisions at $\sqrt{s} = 7$ and 8 TeV	печ.	Physical Review D 97, 2018, p.072010	20	Sirunyan A.M. et al. (CMS Collaboration)
848	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 3, 2018, p.166	62	Sirunyan A.M. et al. (CMS Collaboration)
849	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s} = 8$ TeV	печ.	Journal of High Energy Physics 3, 2018, p.167	37	Sirunyan A.M. et al. (CMS Collaboration)

1	2	3	4	5	6
850	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Journal of High Energy Physics 3, 2018, p.181	36	Sirunyan A.M. et al. (CMS Collaboration)
851	Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in pPb and PbPb collisions at the CERN Large Hadron Collider	печ.	Physical Review C 97, 2018, p.044912	34	Sirunyan A.M. et al. (CMS Collaboration)
852	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV	печ.	Journal of Instrumentation 13, 2018, p.05011	115	Sirunyan A.M. et al. (CMS Collaboration)
853	Measurement of angular parameters from the decay $B^0 \rightarrow K^{*0}\mu^+\mu^-$ in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physics Letters B 781, 2018, p.517-541	25	Sirunyan A.M. et al. (CMS Collaboration)
854	Search for single production of a vector-like T quark decaying to a Z boson and a top quark in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physics Letters B 781, 2018, p.574-600	27	Sirunyan A.M. et al. (CMS Collaboration)
855	Combination of inclusive and differential $t\bar{t}$ charge asymmetry measurements using ATLAS and CMS data at $\sqrt{s} = 7$ and 8 TeV	печ.	Journal of High Energy Physics 4, 2018, p.033	67	Aaboud M. et al. (ATLAS and CMS Collaboration)
856	Measurement of normalized differential $t\bar{t}$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 4, 2018, p.060	48	Sirunyan A.M. et al. (CMS Collaboration)
857	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\mu$ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 4, 2018, p.073	38	Sirunyan A.M. et al. (CMS Collaboration)
858	Search for narrow resonances in the b-tagged dijet mass spectrum in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review Letters 120, 2018, p.201801	19	Sirunyan A.M. et al. (CMS Collaboration)
859	Search for the X(5568) state decaying into $B_s^0\pi^\pm$ in proton-proton collisions at $\sqrt{s} = 8$ TeV	печ.	Physical Review Letters 120, 2018, p.202005	17	Sirunyan A.M. et al. (CMS Collaboration)

1	2	3	4	5	6
860	Measurement of prompt $D^0$ meson azimuthal anisotropy in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physical Review Letters 120, 2018, p.202301	17	Sirunyan A.M. et al. (CMS Collaboration)
861	Jet properties in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Journal of High Energy Physics 5, 2018, p.006	37	Sirunyan A.M. et al. (CMS Collaboration)
862	Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in final states with jets and missing transverse momentum	печ.	Journal of High Energy Physics 5, 2018, p.025	51	Sirunyan A.M. et al. (CMS Collaboration)
863	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	печ.	Journal of High Energy Physics 5, 2018, p.088	41	Sirunyan A.M. et al. (CMS Collaboration)
864	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 5, 2018, p.127	46	Sirunyan A.M. et al. (CMS Collaboration)
865	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	печ.	Journal of High Energy Physics 5, 2018, p.148	36	Sirunyan A.M. et al. (CMS Collaboration)
866	Search for new physics in final states with an energetic jet or a hadronically decaying W or Z boson and transverse momentum imbalance at $\sqrt{s} = 13$ TeV	печ.	Physical Review D 97, 2018, p.092005	36	Sirunyan A.M. et al. (CMS Collaboration)
867	Search for heavy neutral leptons in events with three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Physical Review Letters 120, 2018, p.221801	20	Sirunyan A.M. et al. (CMS Collaboration)
868	Observation of $t\bar{t}H$ production	печ.	Physical Review Letters 120, 2018, p.231801	17	Sirunyan A.M. et al. (CMS Collaboration)
869	Search for lepton flavour violating decays of the Higgs boson to $\mu\tau$ and $e\tau$ in proton-proton collisions at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 6, 2018, p.001	53	Sirunyan A.M. et al. (CMS Collaboration)

1	2	3	4	5	6
870	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	печ.	Journal of High Energy Physics 6, 2018, p.002	56	Sirunyan A.M. et al. (CMS Collaboration)
871	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13$ TeV	печ.	Journal of High Energy Physics 6, 2018, p.027	53	Sirunyan A.M. et al. (CMS Collaboration)
872	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson	печ.	Journal of High Energy Physics 6, 2018, p.031	40	Sirunyan A.M. et al. (CMS Collaboration)
873	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	печ.	Physics Letters B 782, 2018, p.440-467	28	Sirunyan A.M. et al. (CMS Collaboration)
874	Nuclear modification factor of $D^0$ mesons in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	печ.	Physics Letters B 782, 2018, p.474-496	23	Sirunyan A.M. et al. (CMS Collaboration)
875	Search for physics beyond the Standard model in events with high-momentum Higgs bosons and missing transverse momentum in proton-proton collisions at 13 TeV	печ.	Physical Review Letters 120, 2018, p.241801	17	Sirunyan A.M. et al. (CMS Collaboration)
876	Measurement of b hadron lifetimes in pp collisions at $\sqrt{s} = 8$ TeV	печ.	European Physical Journal C 78, 2018, p.457	28	Sirunyan A.M. et al. (CMS Collaboration)