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**TAIMOOR KHURSHID**

Father's Name Muhammad Khurshid(Late).
N.I.C # 37405-2384507-7.
Date of Birth 28 February, 1978.
Marital Status Married.
Domicile Punjab.
Religion Islam.

Education	<table><tr><td><i>Exam</i></td><td><i>Year of Passing</i></td><td><i>Board/University</i></td><td><i>Div</i></td></tr><tr><td>Ph.D (Exp. High Energy Physics)</td><td>2015</td><td>Quaid-i-Azam University, Islamabad.</td><td>Completed</td></tr><tr><td>M.Phil (Exp. High Energy Physics)</td><td>2006</td><td>Quaid-i-Azam University, Islamabad.</td><td>1st</td></tr><tr><td>M.Sc. (Physics)</td><td>2003</td><td>Quaid-i-Azam University, Islamabad.</td><td>1st</td></tr></table>	<i>Exam</i>	<i>Year of Passing</i>	<i>Board/University</i>	<i>Div</i>	Ph.D (Exp. High Energy Physics)	2015	Quaid-i-Azam University, Islamabad.	Completed	M.Phil (Exp. High Energy Physics)	2006	Quaid-i-Azam University, Islamabad.	1 st	M.Sc. (Physics)	2003	Quaid-i-Azam University, Islamabad.	1 st
<i>Exam</i>	<i>Year of Passing</i>	<i>Board/University</i>	<i>Div</i>														
Ph.D (Exp. High Energy Physics)	2015	Quaid-i-Azam University, Islamabad.	Completed														
M.Phil (Exp. High Energy Physics)	2006	Quaid-i-Azam University, Islamabad.	1 st														
M.Sc. (Physics)	2003	Quaid-i-Azam University, Islamabad.	1 st														
Courses Taught	<p><u>M.S/Ph.D</u></p> <p>Particle Physics Phenomenology Advance Methods of Mathematical Physics</p> <p><u>M.Sc/B.S</u></p> <p>Computer Programing with C++ Mechanics Modern Physics Introduction to Quantum Physics Methods of Mathematical Physics - I Quantum Mechanics - I Quantum Mechanics – II Nuclear Physics Particle Physics</p>																
Research Students	<p><u>Ph.D Students:</u> <u>(Supervision)</u></p> <p>Alamgir Khan: $K^*(892)^0$ and $\phi(1020)$ meson production in Hadron-Hadron, Hadron-Nucleus and Nucleus-Nucleus collisions at the LHC and RHIC energies. (Currently Enrolled)</p> <p><u>MS Students:</u> <u>(Supervision)</u></p> <p>Ali Usman: QCD Background Estimation in Heavy Quark Decays using CMS data. (Completed) [30 August 2018] Hassan Ali: Electron Isolation and Efficiency Measurements Using 13TeV data at CMS. (Completed) [18 March 2019]</p> <p>Aurangzeb Khan: Cross Section Measurements of Triple Higgs Production in Type 1 2HDM. (Completed)[] Muhammad Sami: Study of Triple Higgs Coupling in type 1 2HDM and Comparison with</p>																

	<p>Standard Model Results. (Completed)]</p> <p>Hina Shahid: Light-Flavor production in p-p and Pb-Pb collisions at LHC Energies. (Completed)) [February 2024]</p> <p>Zahida Nasreen: Monte-Carlo Predictions for Charm-Hadron Production in pp and Pb-Pb Collisions at LHC Energies. (Completed)) [February 2024]</p> <p>(Co-Supervision)</p> <p>Komal Iqbal: CMS Endcap performance studies using CMS data. (Completed)[30 August 2018]</p> <p>Rehmat-Ullah: Higgs Decay Analysis in Two Higgs Doublet Model Along with Generator Level Study. . (Completed)[02 September 2019]</p> <p>Sajjad Ali: Theoretical and Generator Level Analysis of $H \rightarrow ZZ \rightarrow 2\ell + 2\ell$ – Decay at 13TeV. . (Completed)[02 September 2019]</p> <p>BS/MSc Students:</p> <p>(Supervision)</p> <p>Mussawir Khan: Study of Single Top Quark Decay at Generator Level. (Completed) [31 August 2018]</p> <p>Hassan Akhtar: Study of $t\bar{t}b\bar{a}$ kinematics in Full Leptonic decay channel at generator level. . (Completed) [31 August 2018]</p> <p>Rimsha Sajjad, Surraiyya Jabeen, Tayyaba Khan, Fatima Tariq, Rubba Tahir: Kinematics Studies of Neutral Higgs Decays in Type-II 2HDM. (Completed) [August 2020]</p> <p>Afeera Aiman, Aiman Aftab, Anam Naz, Shanza Saeed: Study of Charged Higgs Decay in Type-II 2HDM. (Completed) [August 2020]</p> <p>Dilawar Abbas: Kinematics Studies of Pseudo-Scalar Higgs Decays in Type-II 2HDM. (Completed) [August 2020]</p> <p>Muzaffar Ahmad Khan, Muhammad Talha Sajjad, Muhammad Ramiz: Design and Simulation of High Current and Low Emittance Electron Gun for Industrial LINAC. (Completed) [January 2021]</p> <p>Ali Ahmad: Transverse Momentum Distribution of Primary Charged Particles at 900 GeV. (Completed) [August 2023]</p> <p>Ayesha Yasin & Alisha: Quantum Entanglement and Quantum Teleportation studies using Qiskit. . (Completed)[15 August 2024]</p> <p>Ammar Yasir Hattar, Muhammad Shoaib and Hasnain Abbassi: Variational Quantum Eigen Solver for H₂ and LiH. (Completed)[30 January 2025]</p> <p>Ghulam Husnain, Muhammad Hamza Hassan and Syed M Hamza Wasti: Design and Development of Stripline Beam Position Monitor for a 6 MeV Electron LINAC. (Completed)[26 August 2025]</p> <p>(Co-Supervision)</p> <p>Amina Gul, Sidra Maroof, Tahira Bibi: Extracting kinetic freeze-out parameters in Au-Au collisions at RHIC-BES energies. (Completed)) [August 2021]</p>
Ph.D Dissertation	<p>Research Field “Exp. High Energy Physics.”</p> <p>Title “Detector Control System for CMS Endcap RPCs and Cross Section Measurement of $t\bar{t}b\bar{a}$ dileptonic channel with the CMS Detector at $\sqrt{s} = 8\text{TeV}$”</p> <p>Supervisor “Dr. Hafeez R. Hoorani, Director General, National Center for physics, Quaid-i-Azam University(Campus), Islamabad.”</p>
M. Phil Thesis	<p>Research Field “High Energy Physics.”</p> <p>Title “Semi-leptonic decays of top-antitop quark pairs at LHC”</p> <p>Supervisor “Dr. Hafeez R. Hoorani, Director Research, National Center for physics, Quaid-i-Azam University(Campus), Islamabad.”</p>

Research Experience	<p>In Ph.D I remained actively involved in the Commissioning of CMS Endcap RPCs, which are now fully operational (At CERN Switzerland). I also worked on the Detector Control System for Endcap RPCs of the CMS experiment, during my stay at CERN. For this PVSS is used to connect to hardware (or software) devices, acquire the data they produce and use it for their supervision, i.e. to monitor their behavior and to initialize, configure and operate them. In addition measurement of Top Quark pair production Cross Section have been performed using CMS data at 8 TeV center-of-mass energy.</p> <p>During M.Phil Research, I've also participated in the testing of Resistive Plate Chambers (A part of CMS detector, one of the four detectors of LHC being built at CERN.) at National Center for Physics, Quaid-i-Azam University Campus, Islamabad, Pakistan.</p>
Productive Scientist of Pakistan	<p><u>PCST's PSP 2016:</u> Ranked FIRST** in the <i>Pakistan Council of Science and Technology's</i> Productive Scientists of Pakistan Directory, under young scientist's category and ranked THIRD* over all in Physics in 2016. Web Link: https://www.pcst.org.pk/docs/PSP/completePSP2016.pdf *https://www.pcst.org.pk/docs/PSP/lists/overall/phys.pdf **https://www.pcst.org.pk/docs/PSP/lists/under40/phys.pdf</p> <p><u>PCST's PSP 2017:</u> Ranked FIRST**** in the <i>Pakistan Council of Science and Technology's</i> Productive Scientists of Pakistan Directory, under young scientist's category and ranked EIGHTH* over all in Physics in 2017. Web Link:https://www.pcst.org.pk/PSP2018.php ***https://www.pcst.org.pk/docs/PSP/listspsp2018/overall/phys.pdf ****http://pcst.org.pk/docs/PSP/listspsp2018/under40/phys.pdf</p>
Computer Skills	FORTTRAN, C++, Python(beginner level), PVSS, Linux (operating system), Microsoft Office.
Conferences Arranged / Attended	<ul style="list-style-type: none"> • Poster Competition Organized by Department of Physics, IIU Islamabad (10 May, 2018) • Workshop on Research Ethics and Presentation skills in Academia(Invited Speaker) Organized by FJWU(5-6 April 2018) • 5th School on LHC Physics (Invited Speaker) Organized by NCP and ICTP(15 - 26 August, 2016) • ICTP-NCP School on LHC Physics Organized by NCP and ICTP (17th – 28th September 2014) • 37th International Nathiagali Summer College on Physics and Contemporary Needs. Organized by PAEC and NCP. (2012). • Third School on LHC Physics Organized by NCP and ICTP (8th – 19th November 2012) • Second School on LHC Physics, Organized by NCP, (April 25th – May 04th 2011) • 35th International Nathiagali Summer College on Physics and Contemporary Needs. Organized by PAEC and NCP. (2010). • International Scientific Spring - 2010 Organized by NCP. (Mar 01-Mar 06, 2010). • First School on LHC Physics,

	<p>Organized by NCP (12-30 October 2009)</p> <ul style="list-style-type: none"> • Signaling the Arrival of the LHC Era Organized by ICTP in ICTP Trieste, Italy. (8 – 13 December 2008). • 3rd Workshop on Particle Physics. Organized jointly by NCP and CERN (Geneva) at Quaid-i-Azam University, Islamabad. (March 8-13, 2004). • Workshop on Physics at LHC. Organized by NCP at Quaid-i-Azam University, Islamabad. (December 16, 2004). • Workshop on soft X-ray beam line for sesame Organized by National Centre for Physics, Quaid-i-Azam University Islamabad. (April 26-27, 2005) • 30th International Nathiagali Summer College on Physics and Contemporary Needs. Organized by PAEC and NCP. (June 27-July 2, 2005). • 4th International Workshop on Particle Physics. Organized by National Center for Physics, Quaid-i-Azam University Islamabad (Nov. 14-19, 2005). • 12th Regional Conference on Mathematical Physics. Organized jointly by ICTP(Italy), HEC(Islamabad) and NCP at Quaid-i-Azam University, Islamabad. (March 27-April 1, 2006). • 5th International Workshop on Particle Physics. Organized by National Center for Physics, Quaid-i-Azam University Islamabad (Nov. 20-25, 2006). • International Symposium on Contemporary Physics. Organized by National Center for Physics, Quaid-i-Azam University Islamabad(26-30 March, 2007).
Other Qualifications	<ul style="list-style-type: none"> • One year Diploma in Computer Sciences (DCS) from National Institute of Computer Sciences, Saddar, Rawalpindi, Pakistan. • A course on Linux Administration from National Center for Physics. • Joint PVSS and JCOP Framework Course • Finite State Machines in the JCOP Framework
Book Published	<ul style="list-style-type: none"> • DCS for CMS Endcap RPCs and X-Section Measurement of Dilep Top Quarks ISBN 978-3-659-83952-8 Scholar's Press
Publications	<ol style="list-style-type: none"> 1 Strange Meson Production in Au-Au and Cu-Cu Collisions at RHIC Energies (A Khan, Y Ali, U Tabassam, T Khurshid, A Zaman, International Journal of Theoretical Physics 64 (4), 91, 2025) 2 Monte-Carlo models predictions for centrality dependence of mesons in Au–Au and Cu–Cu collisions at RHIC energies, (A Khan, Y Ali, T Khurshid, U Tabassam, A Zaman, The European Physical Journal Plus 139 (12), 1077, 2024) 3 Effect of polarized colliding beam on Higgs boson production at the lepton collider, (I Ahmed, M Shakar, MU Ashraf, J Muhammad, T Khurshid, Modern Physics Letters A 39 (11), 2450047, 2024) 4 Pair production of heavy charged gauge bosons in pp collisions at LHC. (I Ahmed, F Khaliq, MU Ashraf, T Khurshid, J Muhammad, Physica Scripta, Volume 98, Issue 9, pages 095309, 2023) 5 Monte Carlo predictions for and mesons production in pp and Pb–Pb collisions at LHC energies. (A Khan, T Khurshid, Y Ali, U Tabassam, Q Ali, The European Physical Journal Plus Volume 138 Issue 8, pages 1-8, 2023) 6 Study of and meson production in, and collisions at LHC Energies. (A Khan, S Shafaq, T

	<p>Khurshid, Y Ali, Z Ul Abidin. The European Physical Journal Plus Volume 138, Issue 3, pages 258, 2023)</p> <p>7 Fully hadronic decay of Neutral Higgs pairs at future linear collider (Taimoor Khurshid and Ijaz Ahmed, International Journal of Emerging Multidisciplinaries Physical Sciences, Volume 1, pages 53-77, 2023)</p> <p>8 Probing Triple Higgs Self-Coupling and Effect of Beam Polarization in Lepton Colliders(Advances in High Energy Physics Volume 2022, Article ID 9735729, 20 pages https://doi.org/10.1155/2022/9735729)</p> <p>9 Searches for long-lived charged particles in pp collisions at root s= 7 and 8 TeV ((vol 07, 122, 2013) Journal of High Energy Physics, Issue 11, 2022)</p> <p>10 Correlation between the scaling factor of the yukawa coupling and cross section for the $e^+e^- \rightarrow h h f f \bar{f}$ in type-I 2HDM (arXiv:2102.10450 [hep-ph]) 2021</p> <p>11 Pair production of heavy charged gauge bosons in Proton-Proton collisions at LHC(arXiv:2003.08558) 2020.</p> <p>12 Double and Triple Higgs Boson Production at Future Linear Colliders(arXiv:2003.08193) 2020</p> <p>13 Quality Assurance Tests of CMS Endcap RPCs (CMS NOTE-2008/030).</p> <p>14 Data Acquisition System for RPC Testing (CMS NOTE-2008/031).</p> <p>15 Resistive Plate Chambers performance with Cosmic Rays in the CMS experiment [CMS Conference Report](CR2009_196)</p> <p>16 Resistive Plate Chambers performance with Cosmic Rays in the CMS experiment [CMS Conference Report](CR2009_196)</p> <p>17 The commissioning and the first operational experiences of the CMS RPC detector control system at LHC (Nuclear Instruments and Methods in Physics Research A)</p> <p>18 The detector control systems for the CMS Resistive Plate Chamber (IOP Science)</p> <p>19 List attached for rest of the articles...</p>
Teaching Experience	<ul style="list-style-type: none"> • International Islamic University, Islamabad (Assistant Professor Contract) <i>4 August 2018 – till date</i> • International Islamic University, Islamabad (Assistant Professor Adhoc) <i>4 Feb 2017 – 3 August 2018</i> • International Islamic University, Islamabad (Assistant Professor IPFP) <i>3 Feb 2016 – 3 Feb 2017</i> • Federal Urdu University, Islamabad (Assistant Professor Visiting) <i>14 Mar 2015 – 2 Feb 2016</i> • International Islamic University, Islamabad (Assistant Professor Visiting) <i>Courses: Quantum Mechanics-I and II Nuclear Physics Fall 2011, Spring and Fall 2012</i> • Federal Urdu University, Islamabad (Lecturer Visiting) <i>Courses: Quantum Mechanics-I and II Nuclear Physics Spring and Fall 2011</i> • College of Information Technology, Saddar, Rawalpindi. (Lecturer Visiting) <i>June 2004 – July 2007.</i>
References	<p>Prof. Dr. Hafeez R. Hoorani(S.I) <i>Director General,</i> National Center for Physics, Shahdara Valley road, Bharakao, Islamabad. Email: hafeez.hoorani@cern.ch Cell No: 03008551409</p> <p>Prof. Dr. Khalid Khan <i>Chairman,</i> Dept. of Physics, Quaid-i-Azam University, Islamabad.</p>

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Cell No: 03455571855

Dr. Taimoor Khurshid Publications List 2016-22

	Title	Journal Name	No. of Citations	Year
1.	Probing Triple Higgs Self-Coupling and Effect of Beam Polarization in Lepton Colliders	Advances in High Energy Physics		2022
1.	Correlation between the scaling factor of the yukawa coupling and cross section for the $e^+e^- \rightarrow h\bar{h}f\bar{f}$ ($f \neq t$) in type-I 2HDM	International Journal of Theoretical Physics		2021
1.	Measurement of differential cross sections for top quark pair production using the lepton+ jets final state in proton-proton collisions at 13 TeV	Physical Review D 95 (9), 092001	2*	2017
2.	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV	European Physical Journal C 76 (5)		2017
3.	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV	European Physical Journal C 76 (6), 42759		2017
4.	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	Physical Review Letters 118 (2), 021802	3	2017
5.	Measurements of the [Formula: see text] production cross section in lepton+ jets final states in pp collisions at 8 [Formula: see text] and ratio of 8 to 7 [Formula: see text] cross sections.	The European physical journal. C, Particles and fields 77 (1), 15		2017
6.	Measurements of the production cross section in lepton+ jets final states in pp collisions at 8 and ratio of 8 to 7 cross sections	The European Physical Journal. C, Particles and Fields 77 (1)	1	2017
7.	Measurements of the $t\bar{t}$ production cross section in lepton+ jets final states in pp collisions at 8 [Formula: see text] and ratio of 8 to 7 [Formula: see text] cross sections	The European Physical Journal C 77 (1), 15		2017
8.	Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV	IOP PUBLISHING LTD	6	2017
1.	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV	Springer Verlag	1	2016
2.	Erratum: Search for third-generation scalar leptoquarks in the $t\tau$ channel in proton-proton collisions at $\sqrt{s} = 8$ TeV	Erratum : (vol 7, 042, 2015)		2016
3.	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s} = 8$ TeV	Journal of High Energy Physics 2016 (11), 147	1	2016
4.	Measurement of the integrated and differential $t\bar{t}$ production cross sections for high-p T top quarks in p p collisions at $\sqrt{s} = 8$ TeV	Physical Review D 94 (7), 072002	18	2016
5.	$\Upsilon(nS)$ polarizations versus particle multiplicity in pp collisions at $\sqrt{s} = 7$ TeV	Physics Letters B 761, 31-52	2	2016
6.	Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s} = 7$ and 8 TeV	Journal of High Energy Physics 2016 (10), 129	4	2016
7.	$\Upsilon(nS)$ polarizations versus particle multiplicity in pp collisions at $\sqrt{s} = 7$ TeV	Physics letters B	1	2016

8.	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV	Physical Review D 94 (5), 052012	12	2016
9.	Search for channel single top quark production in pp collisions at and 8 TeV	Journal of High Energy Physics 2016 (09), 027		2016
10.	The CMS trigger system	J. Instrum. 12 (arXiv: 1609.02366), P01020	1	2016
11.	Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse energy in proton-proton collisions at $\sqrt{s} = 8$ TeV	Physics letters B	5	2016
12.	Measurement of the CP-violating weak phase ϕ_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 $\sqrt{s} = 8$ TeV	Physics letters B	17	2016
13.	Search for s channel single top quark production in pp collisions at $\sqrt{s} = 7$ and 8 TeV	Journal of High Energy Physics 2016 (9), 27	3	2016
14.	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 γ and Z $\gamma\gamma$ trilinear gauge boson couplings	Physics letters B	11	2016
15.	Measurements of $t\bar{t}$ charge asymmetry using dilepton final states in pp collisions at $\sqrt{s} = 8$ TeV	Physics letters B	5	2016
16.	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s} = 8$ TeV	Physics letters B	3	2016
17.	Measurement of the inelastic cross section in proton-lead collisions at a centre-of-mass energy per nucleon pair of 5.02 TeV	Physics Letters B 759, 641-662	1	2016
18.	Radiation tests of real-sized prototype RPCs for the Phase-2 Upgrade of the CMS Muon System	Journal of Instrumentation 11 (08), C08008	1	2016
19.	Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at $\sqrt{s} = 8$ TeV	Physics Letters B 759, 479-500	5	2016
20.	Search for neutral resonances decaying into a Z boson and a pair of b jets or τ leptons	Physics Letters B 759, 369-394	14	2016
21.	Evidence for exclusive $\gamma\gamma \rightarrow W^+ W^-$ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s} = 7$ and 8 TeV	Journal of High Energy Physics 2016 (8), 119	4	2016
22.	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	Journal of High Energy Physics 2016 (8), 29	32	2016
23.	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	Journal of High Energy Physics 2016 (8), 45	140	2016
24.	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV	Physics Letters B 758, 152-180	42	2016
25.	Measurement of spin correlations in production using the matrix element method in the μon^+ jets final state in pp collisions at 8 TeV	Physics Letters B 758, 321-346	15	2016
26.	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	Physics Letters B 758, 296-320	17	2016
27.	Search for pair-produced vectorlike B quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV	Physical Review D 93 (11), 112009	53	2016
28.	Inclusive and differential measurements of the charge asymmetry in pp collisions at $\sqrt{s} = 8$ TeV	Physics letters B 757, 154-179	37	2016
29.	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV	Physics letters B 757, 6-31	5	2016
30.	Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV	Physics letters B	50	2016
31.	Search for W' decaying to tau lepton and neutrino in proton-proton collisions at $\sqrt{s} = 8$ TeV	Physics letters B	6	2016
32.	Search for supersymmetry in p p collisions at $\sqrt{s} = 8$ TeV in final states with boosted W bosons and b jets using razor variables	Physical Review D 93 (9), 092009	10	2016

33.	Measurement of the top quark mass using charged particles in p p collisions at $\sqrt{s} = 8$ TeV	Physical Review D 93 (9), 092006	18	2016
34.	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies	Physics letters B	41	2016
35.	Measurement of Long-Range Near-Side Two-Particle Angular Correlations in p p Collisions at $\sqrt{s} = 13$ TeV	Physical review letters 116 (17), 172302	50	2016
36.	Pseudorapidity dependence of long-range two-particle correlations in pPb collisions at $\sqrt{s} [\text{NN}] = 5.02$ TeV	arXiv preprint arXiv:1604.05347	1	2016
37.	Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s} = 8$ TeV	Physics Letters B 755, 102-124	105	2016
38.	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 $h \rightarrow \tau\tau$	Physics letters B 755, 217-244	45	2016
39.	Measurement of the top quark mass using proton-proton data at $\sqrt{s} = 7$ and 8 TeV	Physical Review D 93 (7), 072004	96	2016
40.	Erratum to: Comparison of the $Z/\gamma^* + \text{jets}$ to $\gamma + \text{jets}$ cross sections in pp collisions at $\sqrt{s} = 8$ TeV	JHEP 1604, 010	5	2016
41.	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV	Physical Review D 93 (5), 052011	21	2016
42.	Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s} = 5.02$ TeV	Physics letters B 754, 59-80	64*	2016
43.	Measurements of $t\bar{t}$ spin correlations and top quark polarization using dilepton final states in p p collisions at $\sqrt{s} = 8$ TeV	Physical Review D 93 (5), 052007	7	2016
44.	Search for heavy Majorana neutrinos in $e^+e^- + \text{jets}$ and $e^+e^- \mu^+ \mu^- + \text{jets}$ events in proton-proton collisions at $\sqrt{s} = 8$ TeV	arXiv preprint arXiv:1603.02248	1	2016
45.	Event generator tunes obtained from underlying event and multiparton scattering measurements	The European Physical Journal C 76 (3), 1-52	235*	2016
46.	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 8$ TeV	Physical Review D 93 (3), 032004	34	2016
47.	Search for single production of scalar leptoquarks in proton-proton collisions at $\sqrt{s} = 8$ TeV	Physical Review D 93 (3), 032005	7	2016
48.	Measurement of the $Z \rightarrow \nu\bar{\nu} \gamma$ 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	Phys. Lett. B 760 (arXiv: 1602.07152), 448		2016
49.	Angular analysis of the decay $B^0 \rightarrow K^0 \mu^+ \mu^-$ from pp collisions at $\sqrt{s} = 8$ TeV	Physics letters B	19	2016
50.	Search for W' to tb in proton-proton collisions at $\sqrt{s} = 8$ TeV	Journal of High Energy Physics 2016 (02), 122		2016
51.	Measurement of the charge asymmetry in top quark pair production in p p collisions at $\sqrt{s} = 8$ TeV using a template method	Physical Review D 93 (3), 034014	38	2016
52.	Search for narrow resonances decaying to dijets in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physical review letters 116 (7), 071801	126	2016
53.	Search for neutral MSSM Higgs bosons decaying to $\mu^+ \mu^-$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV	Physics letters B	4	2016
54.	Search for a Higgs boson decaying into $\gamma \gamma \rightarrow \ell\ell\gamma$ with low dilepton mass in pp collisions at $\sqrt{s} = 13$ TeV	Physics letters B 753, 341-362	8	2016
55.	Measurement of the top quark pair production cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physical review letters 116 (5), 052002	48	2016
56.	Search for $W' \rightarrow tb$ in proton-proton collisions at $\sqrt{s} = 8$ TeV	Journal of High Energy Physics 2016 (2), 1		2016
57.	Reconstruction and identification of τ lepton decays to hadrons and $\nu\tau$ at CMS	Journal of Instrumentation 11 (01), P01019	52	2016
58.	Search for vectorlike charge 2/3 T quarks in proton-proton collisions at	Physical Review D 93 (1),	90	2016

	(s)= 8 TeV	012003		
59.	Search for neutral MSSM Higgs bosons decaying to $\mu^+ \mu^-$ in pp collisions at	Physics Letters B 752, 221-246	7	2016
60.	A search for pair production of new light bosons decaying into muons	Physics letters B 752, 146-168	38	2016
61.	Search for resonant $t \bar{t}$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV	Physical Review D 93 (1), 012001	78	2016
62.	Measurement of the cross section in pp collisions at TeV and limits on anomalous gauge couplings	The European Physical Journal. C, Particles and Fields 76 (7)		2016
63.	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s} = 2.76$ TeV	Springer-Verlag/SISSA		2016
64.	Erratum to: Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s} = 8$ TeV	(JHEP,(2016) 7,(027), 10.1007/JHEP07 (2016) 027)		2016
65.	Measurement of the $t \bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8$ TeV	Springer-Verlag		2016
66.	Search for resonant $t \bar{t}$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV	American Physical Society		2016
67.	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s} = 8$ TeV	Journal of high energy physics 2016 (1), 1-55	194*	2016

List of Publications 2010-2015				
Dr. Taimoor Khurshid				
S.No.	Title	Journal	Year	I.F
1	CMS tracking performance results from early LHC operation	European Physical Journal C	2010	3.248
2	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV	European Physical Journal C	2010	3.248
3	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC	Journal Of High Energy Physics	2010	6.049
4	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 0.9$ and 2.36 TeV	Journal Of High Energy Physics	2010	6.049
5	Aligning the CMS muon chambers with the muon alignment system during an extended cosmic ray run	Journal Of Instrumentation	2010	3.148
6	Alignment of the CMS muon system with cosmic-ray and beam-halo muons	Journal Of Instrumentation	2010	3.148
7	Alignment of the CMS silicon tracker during commissioning with cosmic rays	Journal Of Instrumentation	2010	3.148
8	Calibration of the CMS drift tube chambers and measurement of the drift velocity with cosmic rays	Journal Of Instrumentation	2010	3.148
9	CMS data processing workflows during an extended cosmic ray run	Journal Of Instrumentation	2010	3.148
10	Commissioning and Performance of the CMS Pixel Tracker with Cosmic Ray Muons	Journal Of Instrumentation	2010	3.148
11	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons	JOURNAL OF INSTRUMENTATION	2010	3.148
12	Commissioning of the CMS experiment and the cosmic run at four tesla	Journal Of Instrumentation	2010	3.148
13	Commissioning of the CMS High-Level Trigger with cosmic rays	Journal Of Instrumentation	2010	3.148
14	Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays	Journal Of Instrumentation	2010	3.148
15	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter	Journal Of Instrumentation	2010	3.148
16	Measurement of the muon stopping power in lead tungstate	Journal Of Instrumentation	2010	3.148

17	Performance and operation of the CMS electromagnetic calorimeter	Journal Of Instrumentation	2010	3.148
18	Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data	Journal Of Instrumentation	2010	3.148
19	Performance of CMS muon reconstruction in cosmic-ray events	Journal Of Instrumentation	2010	3.148
20	Performance of the CMS cathode strip chambers with cosmic rays	Journal Of Instrumentation	2010	3.148
21	Performance of the CMS drift tube chambers with cosmic rays	Journal Of Instrumentation	2010	3.148
22	Performance of the CMS drift-tube chamber local trigger with cosmic rays	Journal Of Instrumentation	2010	3.148
23	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data	Journal Of Instrumentation	2010	3.148
24	Performance of the CMS Level-1 trigger during commissioning with cosmic ray muons and LHC beams	Journal Of Instrumentation	2010	3.148
25	Performance study of the CMS barrel resistive plate chambers with cosmic rays	Journal Of Instrumentation	2010	3.148
26	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays	Journal Of Instrumentation	2010	3.148
27	Time reconstruction and performance of the CMS electromagnetic calorimeter	Journal Of Instrumentation	2010	3.148
28	Resistive Plate Chambers performance with Cosmic Rays in the CMS experiment	Nuclear Instruments & Methods In Physics Research Section A-Accelerators Spectrometers Detectors And Associated Equipment	2010	1.142
29	First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at root s=0.9 and 2.36 TeV at the LHC	Physical Review Letters	2010	7.622
30	Search for Dijet Resonances in 7 TeV pp Collisions at CMS	Physical Review Letters	2010	7.622
31	Search for Quark Compositeness with the Dijet Centrality Ratio in pp Collisions at root s=7 TeV	Physical Review Letters	2010	7.622
32	Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in pp Collisions at root s=7 TeV	Physical Review Letters	2010	7.622
33	Measurement of the charge ratio of atmospheric muons with the CMS detector	Physics Letters B	2010	5.255
34	Measurement of the t(t)over-bar production cross section in pp collisions at root s=7 TeV using the kinematic properties of events with leptons and jets	European Physical Journal C	2011	3.631
35	Prompt and non-prompt J/psi production in pp collisions at root s=7 TeV	European Physical Journal C	2011	3.631
36	Thoracic Epidural Anaesthesia for Open Cholecystectomy	Jcsp-Journal Of The College Of Physicians And Surgeons Pakistan	2011	0.342
37	Charged particle multiplicities in pp interactions at root s=0.9, 2.36, and 7 TeV	Journal Of High Energy Physics	2011	5.831
38	Charged particle transverse momentum spectra in pp collisions at root s=0.9 and 7 TeV	Journal Of High Energy Physics	2011	5.831
39	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at root s(NN)=2.76 TeV	Journal Of High Energy Physics	2011	5.831
40	Inclusive b-hadron production cross section with muons in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2011	5.831
41	Long-range and short-range dihadron angular correlations in central PbPb collisions at root s(NN)=2.76 TeV	Journal Of High Energy Physics	2011	5.831
42	Measurement of B(B)over-bar angular correlations based on secondary vertex reconstruction at root s=7 TeV	Journal Of High Energy Physics	2011	5.831
43	Measurement of Bose-Einstein correlations in pp collisions at root s=0.9 and 7 TeV	Journal Of High Energy Physics	2011	5.831
44	Measurement of energy flow at large pseudorapidities in pp collisions at root s=0.9 and 7 TeV	Journal Of High Energy Physics	2011	5.831
45	Measurement of the Drell-Yan cross section in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2011	5.831
46	Measurement of the inclusive W and Z production cross sections in pp collisions at root s = 7 TeV with the CMS experiment	Journal Of High Energy Physics	2011	5.831
47	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2011	5.831
48	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at root s=7TeV	Journal Of High Energy Physics	2011	5.831
49	Measurement of the t(t)over-bar production cross section and the top quark mass in the dilepton channel in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2011	5.831
50	Measurement of the underlying event activity at the LHC with root	Journal Of High Energy	2011	5.831

	s=7 TeV and comparison with root s=0.9 TeV	Physics		
51	Measurements of inclusive W and Z cross sections in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2011	5.831
52	Search for heavy stable charged particles in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2011	5.831
53	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider	Journal Of High Energy Physics	2011	5.831
54	Search for light resonances decaying into pairs of muons as a signal of new physics	Journal Of High Energy Physics	2011	5.831
55	Search for new physics with jets and missing transverse momentum in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2011	5.831
56	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC	Journal Of High Energy Physics	2011	5.831
57	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2011	5.831
58	Search for resonances in the dilepton mass distribution in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2011	5.831
59	Search for same-sign top-quark pair production at root s=7 TeV and limits on flavour changing neutral currents in the top sector	Journal Of High Energy Physics	2011	5.831
60	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2011	5.831
61	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC	Journal Of High Energy Physics	2011	5.831
62	Search for supersymmetry in pp collisions at root s=7 TeV in events with a single lepton, jets, and missing transverse momentum	Journal Of High Energy Physics	2011	5.831
63	Strange particle production in pp collisions at root s=0.9 and 7 TeV	Journal Of High Energy Physics	2011	5.831
64	Determination of jet energy calibration and transverse momentum resolution in CMS	Journal Of Instrumentation	2011	1.869
65	Missing transverse energy performance of the CMS detector	Journal Of Instrumentation	2011	1.869
66	Observation and studies of jet quenching in PbPb collisions at root s(NN)=2.76 TeV	Physical Review C	2011	3.308
67	Measurement of the B-s(0) Production Cross Section with B-s(0) -> J/psi phi Decays in pp Collisions at root s=7 TeV	Physical Review D	2011	4.558
68	Measurement of the differential cross section for isolated prompt photon production in pp collisions at 7 TeV	Physical Review D	2011	4.558
69	Measurement of the t(t)over-bar production cross section in pp collisions at 7 TeV in lepton plus jets events using b-quark jet identification	Physical Review D	2011	4.558
70	Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC	Physical Review D	2011	4.558
71	Upsilon production cross section in pp collisions at root s=7 TeV	Physical Review D	2011	4.558
72	Dijet Azimuthal Decorrelations in pp Collisions at root s=7 TeV	Physical Review Letters	2011	7.37
73	Indications of Suppression of Excited Upsilon States in Pb-Pb Collisions at root(NN)-N-s=2.76 TeV	Physical Review Letters	2011	7.37
74	Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at root s=7 TeV	Physical Review Letters	2011	7.37
75	Measurement of the B+ Production Cross Section in pp Collisions at root s=7 TeV	Physical Review Letters	2011	7.37
76	Measurement of the B-0 Production Cross Section in pp Collisions at root s=7 TeV	Physical Review Letters	2011	7.37
77	Measurement of the Inclusive Jet Cross Section in pp Collisions at root s=7 TeV	Physical Review Letters	2011	7.37
78	Measurement of the Isolated Prompt Photon Production Cross Section in pp Collisions at root s=7 TeV	Physical Review Letters	2011	7.37
79	Measurement of the Polarization of W Bosons with Large Transverse Momenta in W plus jets Events at the LHC	Physical Review Letters	2011	7.37
80	Measurement of the t-Channel Single Top Quark Production Cross Section in pp Collisions at root s=7 TeV	Physical Review Letters	2011	7.37
81	Search for a Vectorlike Quark with Charge 2/3 in t plus Z Events from pp Collisions at root s 7 TeV	Physical Review Letters	2011	7.37
82	Search for B-s(0) -> mu(+)mu(-) and B-0 -> mu(+)mu(-) Decays in pp Collisions at root s=7 TeV	Physical Review Letters	2011	7.37
83	Search for Neutral Minimal Supersymmetric Standard Model Higgs	Physical Review Letters	2011	7.37

	Bosons Decaying to Tau Pairs in pp Collisions at root s=7 TeV			
84	Search for New Physics with a Monojet and Missing Transverse Energy in pp Collisions at root s=7 TeV	Physical Review Letters	2011	7.37
85	Search for Pair Production of First-Generation Scalar Leptoquarks in pp Collisions at root s=7 TeV	Physical Review Letters	2011	7.37
86	Search for Pair Production of Second-Generation Scalar Leptoquarks in pp Collisions at root s=7 TeV	Physical Review Letters	2011	7.37
87	Search for Stopped Gluinos in pp Collisions at root s=7 TeV	Physical Review Letters	2011	7.37
88	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy	Physical Review Letters	2011	7.37
89	Search for Supersymmetry in pp Collisions at root s=7 TeV in Events with Two Photons and Missing Transverse Energy	Physical Review Letters	2011	7.37
90	Study of Z Boson Production in PbPb Collisions at root s(NN)=2.76 TeV	Physical Review Letters	2011	7.37
91	A search for excited leptons in pp collisions at root s=7 TeV	Physics Letters B	2011	3.955
92	First measurement of hadronic event shapes in pp collisions at root s=7 TeV	Physics Letters B	2011	3.955
93	Measurement of the differential dijet production cross section in proton-proton collisions at root s=7 TeV	Physics Letters B	2011	3.955
94	Measurement of the ratio of the 3-jet to 2-jet cross sections in pp collisions at root s=7 TeV	Physics Letters B	2011	3.955
95	Measurement of W gamma and Z gamma production in pp collisions at root s=7 TeV	Physics Letters B	2011	3.955
96	Measurement of W+W- production and search for the Higgs boson in pp collisions at root s=7 TeV	Physics Letters B	2011	3.955
97	Search for a heavy bottom-like quark in pp collisions at root s=7 TeV	Physics Letters B	2011	3.955
98	Search for a heavy gauge boson W' in the final state with an electron and large missing transverse energy in pp collisions at root s=7 TeV	Physics Letters B	2011	3.955
99	Search for a W' boson decaying to a muon and a neutrino in pp collisions at root s=7 TeV	Physics Letters B	2011	3.955
100	Search for first generation scalar leptoquarks in the e nu jj channel in pp collisions at root s=7 TeV	Physics Letters B	2011	3.955
101	Search for microscopic black hole signatures at the Large Hadron Collider	Physics Letters B	2011	3.955
102	Search for physics beyond the standard model using multilepton signatures in pp collisions at root s=7 TeV	Physics Letters B	2011	3.955
103	Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS	Physics Letters B	2011	3.955
104	Search for supersymmetry in pp collisions at 7 TeV in events with jets and missing transverse energy	Physics Letters B	2011	3.955
105	A search for a doubly-charged Higgs boson in pp collisions at root s=7 TeV	European Physical Journal C	2012	5.247
106	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at root s(NN)=2.76 TeV	European Physical Journal C	2012	5.247
107	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at root s=7 TeV	European Physical Journal C	2012	5.247
108	Measurement of the relative prompt production rate of chi(c2) and chi(c1) in pp collisions at root s=7 TeV	European Physical Journal C	2012	5.247
109	Measurement of the top-quark mass in t(t)over-bar events with dilepton final states in pp collisions at root s=7 TeV	European Physical Journal C	2012	5.247
110	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at root s=7 TeV	European Physical Journal C	2012	5.247
111	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at root s=7 TeV	European Physical Journal C	2012	5.247
112	Study of high-p(T) charged particle suppression in PbPb compared to pp collisions at root s(NN)=2.76 TeV	European Physical Journal C	2012	5.247
113	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at root s=0.9, 2.76, and 7 TeV	European Physical Journal C	2012	5.247
114	Exclusive gamma gamma -> mu(+)mu(-) production in proton-proton collisions at root s=7TeV	Journal Of High Energy Physics	2012	5.618

115	Inclusive b-jet production in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
116	J/psi and psi(2S) production in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
117	Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
118	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV	Journal Of High Energy Physics	2012	5.618
119	Measurement of the cross section for production of $b(b)\overline{b}$ decaying to muons in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
120	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	Journal Of High Energy Physics	2012	5.618
121	Measurement of the mass difference between top and antitop quarks	Journal Of High Energy Physics	2012	5.618
122	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
123	Measurement of the single-top-quark t-channel cross section in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
124	Measurement of the $t(t)\overline{b}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
125	Measurement of the top-quark mass in $t(t)\overline{b}$ events with lepton plus jets final states in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
126	Measurement of the underlying event activity in pp collisions at $\sqrt{s}=0.9$ and 7 TeV with the novel jet-area/median approach	Journal Of High Energy Physics	2012	5.618
127	Measurement of the $Z/\gamma^* + b$ -jet cross section in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
128	Observation of Z decays to four leptons with the CMS detector at the LHC	Journal Of High Energy Physics	2012	5.618
129	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
130	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow q(q)\overline{b}l(-)l(+)$ in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
131	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
132	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
133	Search for anomalous $t(t)\overline{b}$ production in the highly-boosted all-hadronic final state	Journal Of High Energy Physics	2012	5.618
134	Search for $B-S(0) \rightarrow \mu^{+}\mu^{-}$ and $B-0 \rightarrow \mu^{+}\mu^{-}$ decays	Journal Of High Energy Physics	2012	5.618
135	Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
136	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
137	Search for exclusive or semi-exclusive $\gamma\gamma$ production and observation of exclusive and semi-exclusive $e^{+}e^{-}$ production in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
138	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
139	Search for leptonic decays of W' bosons in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
140	Search for microscopic black holes in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
141	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
142	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
143	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
144	Search for resonant $t(t)\overline{b}$ production in lepton plus jets events in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618
145	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2012	5.618

146	Search for supersymmetry in hadronic final states using M-T2 in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2012	5.618
147	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2l2\nu$ channel in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2012	5.618
148	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow l(+)l(-)\tau(+)\tau(-)$ decay channel in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2012	5.618
149	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2012	5.618
150	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2012	5.618
151	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2012	5.618
152	Suppression of non-prompt J/psi, prompt J/psi, and Upsilon(1S) in PbPb collisions at root s(NN)=2.76 TeV	Journal Of High Energy Physics	2012	5.618
153	Performance of CMS muon reconstruction in pp collision events at root s=7TeV	Journal Of Instrumentation	2012	1.656
154	Performance of tau-lepton reconstruction and identification in CMS	Journal Of Instrumentation	2012	1.656
155	The commissioning and the first operational experiences of the CMS RPC detector control system at LHC	Nuclear Instruments & Methods In Physics Research Section A-Accelerators Spectrometers Detectors And Associated Equipment	2012	1.142
156	Combined search for the quarks of a sequential fourth generation	Physical Review D	2012	4.691
157	Inclusive search for squarks and gluinos in pp collisions at root s=7 TeV	Physical Review D	2012	4.691
158	Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at root(s)=7 TeV	Physical Review D	2012	4.691
159	Measurement of the $t(\bar{t})$ over-bar production cross section in pp collisions at root s=7 TeV in dilepton final states containing a tau	Physical Review D	2012	4.691
160	Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at root s=7 TeV	Physical Review D	2012	4.691
161	Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at 7 TeV	Physical Review D	2012	4.691
162	Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at root S-NN=2.76 TeV	Physical Review Letters	2012	7.943
163	Measurement of the Electron Charge Asymmetry in Inclusive W Production in pp Collisions at root s=7 TeV	Physical Review Letters	2012	7.943
164	Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at root s(NN)=2.76 TeV	Physical Review Letters	2012	7.943
165	Observation of a New Xi(b) Baryon	Physical Review Letters	2012	7.943
166	Observation of Sequential upilon Suppression in PbPb Collisions	Physical Review Letters	2012	7.943
167	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV	Physical Review Letters	2012	7.943
168	Search for a W' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV	Physical Review Letters	2012	7.943
169	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy	Physical Review Letters	2012	7.943
170	Search for Heavy Neutrinos and W-R Bosons with Right-Handed Couplings in a Left-Right Symmetric Model in pp Collisions at root s=7 TeV	Physical Review Letters	2012	7.943
171	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV	Physical Review Letters	2012	7.943
172	Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy	Physical Review Letters	2012	7.943
173	Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider	Physical Review Letters	2012	7.943
174	Search for the Standard Model Higgs Boson in the Decay Channel $H \rightarrow ZZ \rightarrow 4l$ in pp Collisions at root s=7 TeV	Physical Review Letters	2012	7.943
175	Study of the Dijet Mass Spectrum in pp $\rightarrow W + \text{jets}$ Events at root s=7 TeV	Physical Review Letters	2012	7.943
176	Combined results of searches for the standard model Higgs boson in pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
177	Inclusive and differential measurements of the $t(\bar{t})$ over-bar charge asymmetry in proton-proton collisions root s=7 TeV	Physics Letters B	2012	4.569
178	Jet momentum dependence of jet quenching in PbPb collisions at	Physics Letters B	2012	4.569

	root s(NN)=2.76 TeV			
179	Measurement of isolated photon production in pp and PbPb collisions at root s(NN)=2.76 TeV	Physics Letters B	2012	4.569
180	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at root s=7 TeV	Physics Letters B	2012	4.569
181	Measurement of the Lambda(b) cross section and the (Lambda)over-bar(b) to Lambda(b) ratio with J/psi Lambda decays in pp collisions at root s=7 TeV CMS Collaboration	Physics Letters B	2012	4.569
182	Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC	PHYSICS LETTERS B	2012	4.569
183	Search for charge-asymmetric production of W ' bosons in t(t)over-bar + jet events from pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
184	Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism	Physics Letters B	2012	4.569
185	Search for heavy long-lived charged particles in pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
186	Search for heavy Majorana neutrinos in mu(+/-)mu(+/-) + jets and e(+/-)e(+/-) + jets events in pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
187	Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at. root s=7 TeV	Physics Letters B	2012	4.569
188	Search for high-mass resonances decaying into tau-lepton pairs in pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
189	Search for large extra dimensions in dimuon and dielectron events in pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
190	Search for narrow resonances in dilepton mass spectra in pp collisions at root s=7 TeV CMS Collaboration	Physics Letters B	2012	4.569
191	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
192	Search for pair produced fourth-generation up-type quarks in pp collisions at root s=7 TeV with a lepton in the final state	Physics Letters B	2012	4.569
193	Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
194	Search for the standard model Higgs boson decaying into two photons in pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
195	Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
196	Search for the standard model Higgs boson decaying to W+W- in the fully leptonic final state in pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
197	Search for three-jet resonances in pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
198	Study of W boson production in PbPb and pp collisions at root s(NN)=2.76 TeV	Physics Letters B	2012	4.569
199	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider	SCIENCE	2012	31.027
200	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at root s=7 TeV	European Physical Journal C	2013	5.436
201	Measurement of differential top-quark-pair production cross sections in pp collisions at root s=7 TeV	European Physical Journal C	2013	5.436
202	Measurement of masses in the t(t)over-tilde system by kinematic endpoints in pp collisions at root s=7 TeV	European Physical Journal C	2013	5.436
203	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at root s=7 TeV and first determination of the strong coupling constant in the TeV range	European Physical Journal C	2013	5.436
204	Measurement of the sum of WW and WZ production with W plus dijet events in pp collisions at root s=7 TeV	European Physical Journal C	2013	5.436
205	Measurement of the t(t)over-bar production cross section in the tau plus jets channel in pp collisions at root s=7 TeV	European Physical Journal C	2013	5.436
206	Measurement of the W+W- cross section in pp collisions at and limits on anomalous WW gamma and WWZ couplings	European Physical Journal C	2013	5.436
207	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC	European Physical Journal C	2013	5.436
208	Search for physics beyond the standard model in events with tau leptons, jets, and large transverse momentum imbalance in pp collisions at root s=7 TeV	European Physical Journal C	2013	5.436

209	Search for supersymmetry in hadronic final states with missing transverse energy using the variables $\alpha(T)$ and b-quark multiplicity in pp collisions at root s=8 TeV	European Physical Journal C	2013	5.436
210	Search for supersymmetry in pp collisions at root s=7 TeV in events with a single lepton, jets, and missing transverse momentum	European Physical Journal C	2013	5.436
211	Search for top-squark pair production in the single-lepton final state in pp collisions at	European Physical Journal C	2013	5.436
212	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2013	6.22
213	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at root s=7 TeV	Journal Of High Energy Physics	2013	6.22
214	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 root s=7 TeV	Journal Of High Energy Physics	2013	6.22
215	Measurement of the $\Lambda(0)(b)$ lifetime in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2013	6.22
216	Measurement of the production cross section for $Z \gamma \rightarrow \nu(\bar{\nu}) \gamma$ in pp collisions at root s=7 TeV and limits on ZZ $\gamma \gamma$ and Z $\gamma \gamma \gamma$ triple gauge boson couplings	Journal Of High Energy Physics	2013	6.22
217	Measurement of the $t(\bar{t})$ production cross section in the all-jet final state in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2013	6.22
218	Measurement of the W-boson helicity in top-quark decays from $t(\bar{t})$ production in lepton plus jets events in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2013	6.22
219	Measurement of the $X(3872)$ production cross section via decays to $J/\psi \pi^+ \pi^-$ in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2013	6.22
220	Measurement of the ZZ production cross section and search for anomalous couplings in $2l2l'$ final states in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2013	6.22
221	Observation of a new boson with mass near 125 GeV in pp collisions at root s=7 and 8 TeV	Journal Of High Energy Physics	2013	6.22
222	Search for exotic resonances decaying into WZ/ZZ in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2013	6.22
223	Search for microscopic black holes in pp collisions at root s=8 TeV	Journal Of High Energy Physics	2013	6.22
224	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at root s=7 TeV	Journal Of High Energy Physics	2013	6.22
225	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2013	6.22
226	search for new physics in events with same-sign dileptons and b jets in pp collisions at root s = 8 TeV (vol 3, pg 037, 2013)	Journal Of High Energy Physics	2013	6.22
227	Search for new physics in events with same-sign dileptons and b jets in pp collisions at root s=8 TeV	Journal Of High Energy Physics	2013	6.22
228	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or ≥ 3 b-quark jets in 7 TeV pp collisions using the variable $\alpha(T)$	Journal Of High Energy Physics	2013	6.22
229	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC	Journal Of High Energy Physics	2013	6.22
230	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles	Journal Of High Energy Physics	2013	6.22
231	Searches for long-lived charged particles in pp collisions at root s=7 and 8 TeV	Journal Of High Energy Physics	2013	6.22
232	Studies of jet mass in dijet and W/Z plus jet events	Journal Of High Energy Physics	2013	6.22
233	Study of exclusive two-photon production of W+W- in pp collisions at root s=7 TeV and constraints on anomalous quartic gauge couplings	Journal Of High Energy Physics	2013	6.22
234	Study of the underlying event at forward rapidity in pp collisions at root s=0.9, 2.76, and 7 TeV	Journal Of High Energy Physics	2013	6.22
235	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at root s=7 TeV	Journal Of Instrumentation	2013	1.526
236	Identification of b-quark jets with the CMS experiment	Journal Of Instrumentation	2013	1.526
237	The performance of the CMS muon detector in proton-proton	Journal Of Instrumentation	2013	1.526

	collisions at root s=7 TeV at the LHC			
238	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at root s(NN)=2.76 TeV	Physical Review C	2013	3.881
239	Interpretation of searches for supersymmetry with simplified models	Physical Review D	2013	4.864
240	Measurement of neutral strange particle production in the underlying event in proton-proton collisions at root s=7 TeV	Physical Review D	2013	4.864
241	Measurements of differential jet cross sections in proton-proton collisions at root s=7 TeV with the CMS detector	Physical Review D	2013	4.864
242	Observation of a diffractive contribution to dijet production in proton-proton collisions at root s = 7 TeV	Physical Review D	2013	4.864
243	Rapidity distributions in exclusive Z plus jet and gamma plus jet events in pp collisions at root s=7 TeV	Physical Review D	2013	4.864
244	Search for contact interactions in mu(+)mu(-) events in pp collisions at root s = 7 TeV	Physical Review D	2013	4.864
245	Search for contact interactions using the inclusive jet p(T) spectrum in pp collisions at root s=7 TeV	Physical Review D	2013	4.864
246	Search for fractionally charged particles in pp collisions at root s=7 TeV	Physical Review D	2013	4.864
247	Search for narrow resonances using the dijet mass spectrum in pp collisions at root s=8 TeV	Physical Review D	2013	4.864
248	Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC	Physical Review D	2013	4.864
249	Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network	Physical Review D	2013	4.864
250	Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse energy in proton-proton collisions at root s=7 TeV	Physical Review D	2013	4.864
251	Search for Z' resonances decaying to t(t)over-bar in dilepton plus jets final states in pp collisions at root s=7 TeV	Physical Review D	2013	4.864
252	Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at root s=7 TeV	Physical Review Letters	2013	7.728
253	Inclusive Search for Supersymmetry Using Razor Variables in pp Collisions at root s=7 TeV	Physical Review Letters	2013	7.728
254	Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at root s=7 TeV	Physical Review Letters	2013	7.728
255	Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-Pb Collisions at root S-NN=2.76 TeV	Physical Review Letters	2013	7.728
256	Measurement of the B-s(0) -> mu(+)mu(-) Branching Fraction and Search for B-0 -> mu(+)mu(-) with the CMS Experiment	Physical Review Letters	2013	7.728
257	Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) Polarizations in pp Collisions at root s 7 TeV	Physical Review Letters	2013	7.728
258	Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp Collisions at root s=7 TeV	Physical Review Letters	2013	7.728
259	Search for pair-produced dijet resonances in four-jet final states in pp collisions at root s=7 TeV	Physical Review Letters	2013	7.728
260	Search for Top Squarks in R-Parity-Violating Supersymmetry Using Three or More Leptons and b-Tagged Jets	Physical Review Letters	2013	7.728
261	Searches for new physics using the t(t)over-bar invariant mass distribution in pp collisions at root s=8 TeV	Physical Review Letters	2013	7.728
262	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to Z Boson Pairs	Physical Review Letters	2013	7.728
263	Angular analysis and branching fraction measurement of the decay B-0 -> K*(0)mu(+)mu(-)	Physics Letters B	2013	6.019
264	Event shapes and azimuthal correlations in Z plus jets events in pp collisions at root s=7 TeV	Physics Letters B	2013	6.019
265	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at root s=7 TeV	Physics Letters B	2013	6.019
266	Measurement of the inelastic proton-proton cross section at root s=7 TeV	Physics Letters B	2013	6.019
267	Measurement of the prompt J/psi and psi(2S) polarizations in pp collisions at root s=7 TeV	Physics Letters B	2013	6.019
268	Measurement of the t(t)over-bar production cross section in pp collisions at root s=7 TeV with lepton plus jets final states	Physics Letters B	2013	6.019

269	Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) cross sections in pp collisions at root s=7 TeV	Physics Letters B	2013	6.019
270	Measurement of the W+W- and ZZ production cross sections in pp collisions at root s=8 TeV	Physics Letters B	2013	6.019
271	Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions	Physics Letters B	2013	6.019
272	Observation of long-range, near-side angular correlations in pPb collisions at the LHC	Physics Letters B	2013	6.019
273	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	Physics Letters B	2013	6.019
274	Search for a Higgs boson decaying into a Z and a photon in pp collisions at root s=7 and 8 TeV	Physics Letters B	2013	6.019
275	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the q(q)over-bar l(+) l(-) final state	Physics Letters B	2013	6.019
276	Search for a new bottomonium state decaying to Upsilon(1S) pi(+) pi(-) in pp collisions at root s=8 TeV	Physics Letters B	2013	6.019
277	Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states	Physics Letters B	2013	6.019
278	Search for a W' boson decaying to a bottom quark and a top quark in pp collisions at root s=7 TeV	Physics Letters B	2013	6.019
279	Search for anomalous production of highly boosted Z bosons decaying to mu(+) mu(-) in proton-proton collisions at root s=7 TeV	Physics Letters B	2013	6.019
280	Search for excited leptons in pp collisions at root s=7 TeV	Physics Letters B	2013	6.019
281	Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV	Physics Letters B	2013	6.019
282	Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV	Physics Letters B	2013	6.019
283	Search for heavy narrow dilepton resonances in pp collisions at root s=7 TeV and root s=8 TeV	Physics Letters B	2013	6.019
284	Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV	Physics Letters B	2013	6.019
285	Search for long-lived particles in events with photons and missing energy in proton-proton collisions at root s=7 TeV	Physics Letters B	2013	6.019
286	Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at root s=7 TeV	Physics Letters B	2013	6.019
287	Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at root s=7 TeV	Physics Letters B	2013	6.019
288	Searches for Higgs bosons in pp collisions at root s=7 and 8 TeV in the context of four-generation and fermiophobic models	Physics Letters B	2013	6.019
289	Studies of jet quenching using isolated-photon plus jet correlations in PbPb and pp collisions at root s(NN)=2.76 TeV	Physics Letters B	2013	6.019
290	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at root s=7 TeV	European Physical Journal C	2014	5.084
291	Measurement of jet multiplicity distributions in t(t)over-bar production in pp collisions at root s=7 TeV	European Physical Journal C	2014	5.084
292	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at root s=8 TeV by the CMS and TOTEM experiments	European Physical Journal C	2014	5.084
293	Measurement of the top-quark mass in all-jets t(t)over-bar events in pp collisions at root s=7 TeV	European Physical Journal C	2014	5.084
294	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at root s=8 TeV	European Physical Journal C	2014	5.084
295	Measurement of WZ and ZZ production in pp collisions at in final states with b-tagged jets	European Physical Journal C	2014	5.084
296	Observation of the diphoton decay of the Higgs boson and measurement of its properties	European Physical Journal C	2014	5.084
297	Probing color coherence effects in pp collisions at root s=7 TeV	European Physical Journal C	2014	5.084
298	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at root s=8 TeV	European Physical Journal C	2014	5.084
299	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes	European Physical Journal C	2014	5.084
300	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp	European Physical Journal C	2014	5.084

	collisions at 8 TeV			
301	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s(NN)}=5.02$ TeV	European Physical Journal C	2014	5.084
302	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{sNN}=5.02$ TeV	European Physical Journal C	2014	5.084
303	Event activity dependence of (nS) production in $\sqrt{s}=5.02$ TeV pPb and $\sqrt{s}=2.76$ TeV pp collisions	Journal Of High Energy Physics	2014	6.111
304	Evidence for the 125 GeV Higgs boson decaying to a pair of tau leptons	Journal Of High Energy Physics	2014	6.111
305	Identification techniques for highly boosted W bosons that decay into hadrons	JOURNAL OF HIGH ENERGY PHYSICS	2014	6.111
306	Measurement of associated W plus charm production in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2014	6.111
307	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states	Journal Of High Energy Physics	2014	6.111
308	Measurement of prompt J/psi pair production in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2014	6.111
309	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2014	6.111
310	Measurement of the $t(\bar{t})$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=8$ TeV (vol 2, 024, 2014)	Journal Of High Energy Physics	2014	6.111
311	Measurement of the $t(\bar{t})$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=8$ TeV	Journal Of High Energy Physics	2014	6.111
312	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	Journal Of High Energy Physics	2014	6.111
313	Measurement of the triple-differential cross section for photon plus jets production in proton-proton collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2014	6.111
314	Measurements of the $t(\bar{t})$ Overbar charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2014	6.111
315	Search for anomalous production in the highly-boosted all-hadronic final state (vol 09, 029, 2012)	Journal Of High Energy Physics	2014	6.111
316	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s}=8$ TeV	Journal Of High Energy Physics	2014	6.111
317	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s}=8$ TeV	Journal Of High Energy Physics	2014	6.111
318	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions	Journal Of High Energy Physics	2014	6.111
319	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s}=8$ TeV	Journal Of High Energy Physics	2014	6.111
320	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s}=8$ TeV	Journal Of High Energy Physics	2014	6.111
321	Search for pair production of excited top quarks in the lepton plus jets final state	Journal Of High Energy Physics	2014	6.111
322	Search for standard model production of four top quarks in the lepton plus jets channel in pp collisions at $\sqrt{s}=8$ TeV	Journal Of High Energy Physics	2014	6.111
323	Search for the associated production of the Higgs boson with a top-quark pair	Journal Of High Energy Physics	2014	6.111
324	Search for the associated production of the Higgs boson with a top-quark pair (vol 9, 087, 2014)	Journal Of High Energy Physics	2014	6.111
325	Search for $W^+ \rightarrow t\bar{b}$ decays in the lepton plus jets final state in pp collisions at $\sqrt{s}=8$ TeV	Journal Of High Energy Physics	2014	6.111
326	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s}=2.76$ TeV	Journal Of High Energy Physics	2014	6.111
327	Study of double parton scattering using W+2-jet events in proton-proton collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2014	6.111
328	Study of hadronic event-shape variables in multijet final states in pp collisions at $\sqrt{s}=7$ TeV	Journal Of High Energy Physics	2014	6.111
329	Alignment of the CMS tracker with LHC and cosmic ray data	Journal Of Instrumentation	2014	1.399
330	Description and performance of track and primary-vertex reconstruction with the CMS tracker	Journal Of Instrumentation	2014	1.399
331	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV	Physical Review C	2014	3.733
332	Measurement of jet fragmentation in PbPb and pp collisions at	Physical Review C	2014	3.733

	root s(NN)=2.76 TeV			
333	Measurement of four-jet production in proton-proton collisions at root s=7 TeV	Physical Review D	2014	4.643
334	Measurement of the muon charge asymmetry in inclusive pp -> W plus X production at root s=7 TeV and an improved determination of light parton distribution functions	Physical Review D	2014	4.643
335	Measurement of the properties of a Higgs boson in the four-lepton final state	Physical Review D	2014	4.643
336	Measurement of the ratio of inclusive jet cross sections using the anti-k(T) algorithm with radius parameters R=0.5 and 0.7 in pp collisions at root s=7 TeV	Physical Review D	2014	4.643
337	Measurement of the W gamma and Z gamma inclusive cross sections in pp collisions at root s=7 TeV and limits on anomalous triple gauge boson couplings	Physical Review D	2014	4.643
338	Search for anomalous production of events with three or more leptons in pp collisions at root s=8 TeV	Physical Review D	2014	4.643
339	Search for jet extinction in the inclusive jet-p(T) spectrum from proton-proton collisions at root s=8 TeV	Physical Review D	2014	4.643
340	Search for supersymmetry with razor variables in pp collisions at root s=7 TeV	PHYSICAL REVIEW D	2014	4.643
341	Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks	Physical Review D	2014	4.643
342	Search for WW gamma and WZ gamma production and constraints on anomalous quartic gauge couplings in pp collisions at root s=8 TeV	Physical Review D	2014	4.643
343	Searches for electroweak neutralino and chargino production in channels with Higgs, Z, and W bosons in pp collisions at 8 TeV	Physical Review D	2014	4.643
344	Searches for heavy Higgs bosons in two-Higgs-doublet models and for t -> ch decay using multilepton and diphoton final states in pp collisions at 8 TeV	PHYSICAL REVIEW D	2014	4.643
345	Evidence of b-Jet Quenching in PbPb Collisions at root S=NN=2.76 TeV	Physical Review Letters	2014	7.512
346	Measurement of Inclusive W and Z Boson Production Cross Sections in pp Collisions at root s=8 TeV	Physical Review Letters	2014	7.512
347	Measurement of Prompt psi(2S) to J/psi. Yield Ratios in Pb-Pb and p-p Collisions at root sNN=2.76 TeV	PHYSICAL REVIEW LETTERS	2014	7.512
348	Measurements of t(t)over-bar Spin Correlations and Top-Quark Polarization Using Dilepton Final States in pp Collisions at root s=7 TeV	Physical Review Letters	2014	7.512
349	Observation of the Associated Production of a Single Top Quark - and a W Boson in pp Collisions at root s=8 TeV	Physical Review Letters	2014	7.512
350	Search for Flavor-Changing Neutral Currents in Top-Quark Decays t -> Zq in pp Collisions at root s=8 TeV	Physical Review Letters	2014	7.512
351	Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays	Physical Review Letters	2014	7.512
352	Search for Top-Quark Partners with Charge 5/3 in the Same-Sign Dilepton Final State	Physical Review Letters	2014	7.512
353	Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs	Physics Letters B	2014	6.131
354	Determination of the top-quark pole mass and strong coupling constant from the t(t)over-bar production cross section in pp collisions at root s=7 TeV	Physics Letters B	2014	6.131
355	Inclusive search for a vector-like T quark with charge 2/3 in pp collisions at root s=8 TeV	Physics Letters B	2014	6.131
356	Measurement of the production cross section for a W boson and two b jets in pp collisions at root s=7 TeV	Physics Letters B	2014	6.131
357	Measurement of the ratio B(t -> Wb)/B(t -> Wq) in pp collisions at root s=8 TeV	Physics Letters B	2014	6.131
358	Measurement of the t(t)over-bar production cross section in pp collisions at root s=8 TeV in dilepton final states containing one tau lepton	PHYSICS LETTERS B	2014	6.131
359	Modification of jet shapes in PbPb collisions at root s(NN)=2.76 TeV	Physics Letters B	2014	6.131
360	Observation of a peaking structure in the J/psi phi mass spectrum	Physics Letters B	2014	6.131

	from B-+/- -> J/psi phi K-+/- decays			
361	Search for baryon number violation in top-quark decays	Physics Letters B	2014	6.131
362	Search for excited quarks in the gamma plus jet final state in proton-proton collisions at root s=8 TeV	Physics Letters B	2014	6.131
363	Search for pair production of third-generation scalar leptoquarks and top squarks in proton-proton collisions at v root s=8 TeV	PHYSICS LETTERS B	2014	6.131
364	Search for supersymmetry in pp collisions at root s=8 TeV in events with a single lepton, large jet multiplicity, and multiple b jets	Physics Letters B	2014	6.131
365	Search for top-squark pairs decaying into Higgs or Z bosons in pp collisions at root s=8 TeV	Physics Letters B	2014	6.131
366	Searches for light- and heavy-flavour three-jet resonances in pp collisions at root s=8 TeV	Physics Letters B	2014	6.131
367	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at root s=7TeV	EUROPEAN PHYSICAL JOURNAL C	2015	5.084
368	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at root s=8TeV	EUROPEAN PHYSICAL JOURNAL C	2015	5.084
369	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at root s=7 TeV	EUROPEAN PHYSICAL JOURNAL C	2015	5.084
370	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at root s=8 TeV	EUROPEAN PHYSICAL JOURNAL C	2015	5.084
371	Measurement of the differential cross section for top quark pair production in pp collisions at root s=8TeV	EUROPEAN PHYSICAL JOURNAL C	2015	5.084
372	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	EUROPEAN PHYSICAL JOURNAL C	2015	5.084
373	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at root s=8 TeV	EUROPEAN PHYSICAL JOURNAL C	2015	5.084
374	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at root s(NN)=5.02 TeV	EUROPEAN PHYSICAL JOURNAL C	2015	5.084
375	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	EUROPEAN PHYSICAL JOURNAL C	2015	5.084
376	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	EUROPEAN PHYSICAL JOURNAL C	2015	5.084
377	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at root s=8TeV	EUROPEAN PHYSICAL JOURNAL C	2015	5.084
378	Search for decays of stopped long-lived particles produced in proton-proton collisions at root s=8TeV	EUROPEAN PHYSICAL JOURNAL C	2015	5.084
379	Comparison of the Z/gamma* plus jets to gamma plus jets cross sections in pp collisions at root s=8 TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
380	Measurement of the ratio of the production cross sections times branching fractions of B-c(+/-) -> J/psi pi(+/-) and B-+/- -> J/psi K-+/- and B(B-c(+/-) -> J/psi pi(+/-)pi(+/-)pi(-/+))/B(B-c(+/-) -> J/psi pi(+/-)) in pp collisions at root s=7 TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
381	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at root s=2.76 TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
382	Measurement of the W boson helicity in events with a single reconstructed top quark in p p collisions at root s=8 TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
383	Measurement of the Z gamma production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
384	Search for a charged Higgs boson in pp collisions at root s=8 TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
385	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
386	Search for disappearing tracks in proton-proton collisions at root s=8 TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
387	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at root s=8TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
388	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111

389	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at root s=8 TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
390	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at root s=8 TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
391	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at root s=8TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
392	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at root s=8 TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
393	Search for third-generation scalar leptoquarks in the t tau channel in proton-proton collisions at root s=8 TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
394	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
395	Searches for supersymmetry using the M-T2 variable in hadronic events produced in pp collisions at 8 TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
396	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at root s=8 TeV	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
397	Study of Z production in PbPb and pp collisions at root s(NN)=2.76 TeV in the dimuon and dielectron decay channels	JOURNAL OF HIGH ENERGY PHYSICS	2015	6.111
398	Performance of electron reconstruction and selection with the CMS detector in proton-proton collisions at root s=8 TeV	JOURNAL OF INSTRUMENTATION	2015	1.399
399	Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at root s=8TeV	JOURNAL OF INSTRUMENTATION	2015	1.399
400	Performance of the CMS missing transverse momentum reconstruction in pp data at root s=8 TeV	JOURNAL OF INSTRUMENTATION	2015	1.399
401	Observation of the rare B-s(0)->mu(+)-mu(-) decay from the combined analysis of CMS and LHCb data	NATURE	2015	41.456
402	Constraints on the spin-parity and anomalous HVV couplings of the Higgs boson in proton collisions at 7 and 8 TeV	PHYSICAL REVIEW D	2015	4.643
403	Limits on the Higgs boson lifetime and width from its decay to four charged leptons	PHYSICAL REVIEW D	2015	4.643
404	Measurement of diffractive dissociation cross sections in pp collisions at root s=7 TeV	PHYSICAL REVIEW D	2015	4.643
405	Measurements of jet multiplicity and differential production cross sections of Z plus jets events in proton-proton collisions at root s=7 TeV	PHYSICAL REVIEW D	2015	4.643
406	Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at root s=8 TeV	PHYSICAL REVIEW D	2015	4.643
407	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at root s=8 TeV	PHYSICAL REVIEW D	2015	4.643
408	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at root s = 8 TeV	PHYSICAL REVIEW D	2015	4.643
409	Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at root s=8 TeV	PHYSICAL REVIEW D	2015	4.643
410	Search for supersymmetry using razor variables in events with b-tagged jets in pp collisions at root s=8 TeV	PHYSICAL REVIEW D	2015	4.643
411	Search for supersymmetry with photons in pp collisions at root s=8 TeV	PHYSICAL REVIEW D	2015	4.643
412	Search for the standard model Higgs boson produced through vector boson fusion and decaying to b(b)over-bar	PHYSICAL REVIEW D	2015	4.643
413	Study of final-state radiation in decays of Z bosons produced in pp collisions at 7 TeV	PHYSICAL REVIEW D	2015	4.643
414	Combined Measurement of the Higgs Boson Mass in pp Collisions at root s=7 and 8 TeV with the ATLAS and CMS Experiments	PHYSICAL REVIEW LETTERS	2015	7.512
415	Evidence for Collective Multiparticle Correlations in p-Pb Collisions	PHYSICAL REVIEW LETTERS	2015	7.512
416	Measurement of J/psi and psi(2S) Prompt Double-Differential Cross Sections in pp Collisions at root s=7 TeV	PHYSICAL REVIEW LETTERS	2015	7.512
417	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters	PHYSICAL REVIEW LETTERS	2015	7.512
418	Search for Monotop Signatures in Proton-Proton Collisions at root s=8 TeV	PHYSICAL REVIEW LETTERS	2015	7.512

419	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets	PHYSICAL REVIEW LETTERS	2015	7.512
420	Angular coefficients of Z bosons produced in pp collisions at root S=8 TeV and decaying to $\mu^{+}\mu^{-}$ as a function of transverse momentum and rapidity	PHYSICS LETTERS B	2015	6.131
421	Differential cross section measurements for the production of a W boson in association with jets in proton-proton collisions at root s=7 TeV	PHYSICS LETTERS B	2015	6.131
422	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies	PHYSICS LETTERS B	2015	6.131
423	Measurement of the cross section ratio $\sigma(t\bar{t})/\sigma(b\bar{b})$ in pp collisions at root s=8 TeV	PHYSICS LETTERS B	2015	6.131
424	Measurement of the $pp \rightarrow ZZ$ production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at root s=8 TeV	PHYSICS LETTERS B	2015	6.131
425	Measurement of the production cross section ratio $\sigma(\chi_{b2}(1P))/\sigma(\chi_{b1}(1P))$ in pp collisions at root s=8TeV	PHYSICS LETTERS B	2015	6.131
426	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV	PHYSICS LETTERS B	2015	6.131
427	Measurements of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) differential cross sections in pp collisions at root s=7 TeV	PHYSICS LETTERS B	2015	6.131
428	Pseudorapidity distribution of charged hadrons in proton-proton collisions at root s=13TeV	PHYSICS LETTERS B	2015	6.131
429	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in $l^{+}l^{-}b\bar{b}$ final states	PHYSICS LETTERS B	2015	6.131
430	Search for a standard model-like Higgs boson in the $\mu^{+}\mu^{-}$ and $e^{+}e^{-}$ decay channels at the LHC	PHYSICS LETTERS B	2015	6.131
431	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at root s=8 TeV	PHYSICS LETTERS B	2015	6.131
432	Search for heavy Majorana neutrinos in $\mu^{+}\mu^{-} +$ jets events in proton-proton collisions at root s=8TeV	PHYSICS LETTERS B	2015	6.131
433	Search for lepton-flavour-violating decays of the Higgs boson	PHYSICS LETTERS B	2015	6.131
434	Search for narrow high-mass resonances in proton-proton collisions at root s=8 TeV decaying to a Z and a Higgs boson	PHYSICS LETTERS B	2015	6.131
435	Search for new resonances decaying via WZ to leptons in proton-proton collisions at root s=8 TeV	PHYSICS LETTERS B	2015	6.131
436	Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at root s=8 TeV	PHYSICS LETTERS B	2015	6.131
437	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at root s=8 TeV	PHYSICS LETTERS B	2015	6.131
438	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8TeV	PHYSICS LETTERS B	2015	6.131
439	Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV	PHYSICS LETTERS B	2015	6.131
440	Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV	PHYSICS LETTERS B	2015	6.131
441	Study of W boson production in pPb collisions at root(NN)-N-S=5.02 TeV	PHYSICS LETTERS B	2015	6.131
442	CMS tracking performance results from early LHC operation	European Physical Journal C	2010	3.248