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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.

T. 1				
Education	<u>Exam</u>	<u>Year of</u> <u>Passing</u>	<u>Board/University</u>	<u>Div</u>
	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

M.S/Ph.D

Particle Physics Phenomenology

Advance Methods of Mathematical Physics

M.Sc/B.S

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

Research Students

Ph.D Students:

(Supervision)

Alamgir Khan: $K^*(892)^{\mathbf{0}}$ and $\phi(1020)$ meson production in Hadron-Hadron, Hadron-Nucleus and Nucleus-Nucleus collisions at the LHC and RHIC energies. (Currently Enrolled)

MS Students:

(Supervision)

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]

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



Standard Model Results. (Completed)[]

Hina Shahid: Light-Flavor production in p-p and Pb-Pb collisions at LHC Energies.

(Completed)) [February 2024]

Zahida Nasreen: Monte-Carlo Predictions for Charm-Hadron Production in pp and Pb-Pb

Collisions at LHC Energies .(Completed)) [February 2024]

(Co-Supervision)

Komal Iqbal: CMS Endcap performance studies using CMS data. (Completed)[30 August 2018]

Rehmat-Ullah: Higgs Decay Analysis in Two Higgs Doublet Model Along with Generator Level Study. . (Completed)[02 September 2019]

Sajjad Ali: Theoretical and Generator Level Analysis of $H \rightarrow ZZ \rightarrow 2\ell + +2\ell - Decay$ at 13TeV. . (Completed)[02 September 2019]

BS/MSc Students:

(Supervision)

Mussawir Khan: Study of Single Top Quark Decay at Generator Level. (Completed) [31 August 2018]

Hassan Akhtar: Study of ttbar kinematics in Full Leptonic decay channel at generator level. . (Completed) [31 August 2018]

Rimsha Sajjad, Surraiyya Jabeen, Tayyaba Khan, Fatima Tariq, Rubba Tahir: Kinematics Studies of Neutral Higgs Decays in Type-II 2HDM. (Completed) [August 2020]

Afeera Aiman, Aiman Aftab, Anam Naz, Shanza Saeed: Study of Charged Higgs Decay in Type-II 2HDM. (Completed) [August 2020]

Dilawar Abbas: Kinematics Studies of Pseudo-Scalar Higgs Decays in Type-II 2HDM. (Completed) [August 2020]

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]

Ali Ahmad: Transverse Momentum Distribution of Primary Charged Particles at 900 GeV. (Completed) [August 2023]

Ayesha Yasin & Alisha: Quantumg Entanglement and Quantum Teleportation studies using Qiskit. . (Completed)[15 August 2024]

Ammar Yasir Hattar, Muhammad Shoaib and Hasnain Abbassi: Variational Quantum Eigen Solver for H2 and LiH. (Completed)[30 January 2025]

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]

(Co-Supervision)

Amina Gul, Sidra Maroof, Tahira Bibi: Extracting kinetic freeze-out parameters in Au-Au collisions at RHIC-BES energies. (Completed) | [August 2021]

Ph.D Dissertation

Research Field "Exp. High Energy Physics."

Title "Detector Control System for CMS Endcap RPCs and Cross Section Measurement of ttbar dileptonic channel with the CMS Detector at $sqrt\{s\} = 8TeV$ "

Supervisor "*Dr. Hafeez R. Hoorani*, Director General, National Center for physics, Quaid-i-Azam University(Campus), Islamabad."

M. Phil Thesis

Research Field "High Energy Physics."

Title "Semi-leptonic decays of top-antitop quark pairs at LHC"

Supervisor "Dr. Hafeez R. Hoorani, Director Research, National Center for physics, Quaid-i-Azam University(Campus), Islamabad."

Research Experience

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.

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.

Productive Scientist of Pakistan

PCST's PSP 2016:

Ranked *FIRST*** in the *Pakistan Council of Science and Technology's* 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

PCST's PSP 2017:

Ranked *FIRST***** in the *Pakistan Council of Science and Technology's* 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

Computer Skills

FORTRAN, C++, Python(beginner level), PVSS, Linux (operating system), Microsoft Office.

Conferences Arranged / Attended

• 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,

	Ourse; and have NCD (12, 20, Outshar, 2000)
	Organized by NCP (12-30 October 2009)
	Signaling the Arrival of the LHC Era Opening the LCTD in LCTD Triange Heal
	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).
	• 4 th International Workshop on Particle Physics.
	Organized by National Center for Physics, Quaid-i-Azam University Islamabad (Nov.
	14-19, 2005).
	• 12 th 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).
	• 5 th 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).
	One year Diploma in Computer Sciences (DCS) from National Institute of Computer
Other	Sciences, Saddar, Rawalpindi, Pakistan.
Qualifications	A course on Linux Administration from National Center for Physics.
C	Joint PVSS and JCOP Framework Course
	Finite State Machines in the JCOP Framework
	DCS for CMS Endcap RPCs and X-Section Measurement of Dilep Top Quarks
Book Published	ISBN 978-3-659-83952-8
	Scholar's Press
Publications	
	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,
	Khaliq, MU Ashraf, T Khurshid, J Muhammad, Physica Scripta, Volume 98, Issue 9, pages 095309, 2023)
	 Khaliq, MU Ashraf, T Khurshid, J Muhammad, Physica Scripta, Volume 98, Issue 9, pages 095309, 2023) Monte Carlo predictions for and mesons production in pp and Pb-Pb collisions at LHC
	 Khaliq, MU Ashraf, T Khurshid, J Muhammad, Physica Scripta, Volume 98, Issue 9, pages 095309, 2023) 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
	 Khaliq, MU Ashraf, T Khurshid, J Muhammad, Physica Scripta, Volume 98, Issue 9, pages 095309, 2023) Monte Carlo predictions for and mesons production in pp and Pb-Pb collisions at LHC

- Khurshid, Y Ali, Z Ul Abidin. The European Physical Journal Plus Volume 138, Issue 3, pages 258, 2023)
- 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)
- 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)
- 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)
- 10 Correlation between the scaling factor of the yukawa coupling and cross section for the e+e−→hhffbar (f≠t) in type-I 2HDM (arXiv:2102.10450 [hep-ph]) 2021
- 11 Pair production of heavy charged guage bosons in Proton-Proton collisions at LHC(arXiv:2003.08558) 2020.
- 12 Double and Triple Higgs Boson Production at Future Linear Colliders(arXiv:2003.08193) 2020
- 13 Quality Assurance Tests of CMS Endcap RPCs (CMS NOTE-2008/030).
- 14 Data Acquisition System for RPC Testing (CMS NOTE-2008/031).
- 15 Resistive Plate Chambers performance with Cosmic Rays in the CMS experiment [CMS Conference Report](CR2009_196)
- 16 Resistive Plate Chambers performance with Cosmic Rays in the CMS experiment [CMS Conference Report](CR2009_196)
- 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)
- 18 The detector control systems for the CMS Resistive Plate Chamber (IOP Science)
- 19 List attached for rest of the articles...

Teaching Experience

- International Islamic University, Islamabad (Assistant Professor Contract) 4 August 2018 till date
- International Islamic University, Islamabad (Assistant Professor Adhoc) 4 Feb 2017 3 August 2018
- International Islamic University, Islamabad (Assistant Professor IPFP) 3 Feb 2016 3 Feb 2017
- Federal Urdu University, Islamabad (Assistant Professor Visiting)
 14 Mar 2015 2 Feb 2016
- International Islamic University, Islamabad (Assistant Professor Visiting)

 Courses: Quantum Mechanics-I and II Nuclear Physics Fall 2011, Spring and Fall 2012
- Federal Urdu University, Islamabad (Lecturer Visiting)

 Courses: Quantum Mechanics-I and II Nuclear Physics Spring and Fall 2011
- College of Information Technology, Saddar, Rawalpindi. (Lecturer Visiting) June 2004 July 2007.

References

Prof. Dr. Hafeez R. Hoorani(S.I)

Director General,

National Center for Physics,

Shahdara Valley road, Bharakao, Islamabad.

Email: hafeez.hoorani@cern.ch

Cell No: 03008551409

Prof. Dr. Khalid Khan

Chairman,

Dept. of Physics,

Quaid-i-Azam University, Islamabad.

Email: <u>kk@qau.edu.pk</u> Cell No: 03455571855

	Dr. Taimoor Khurshid Publicatio	ns 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−→hhffbar (f≠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 s?= 2.76 TeV	European Physical Journal C 76 (5)		2017
3.	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at s?= 8s= 8TeV	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 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\ mathrm {t}\ overline {\ mathrm {t}} production cross section in lepton+ jets final states in pp collisions at 8\ text {TeV} and ratio of 8 to 7\ text {TeV} 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 root 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 s= 8 TeV	Journal of High Energy Physics 2016 (11), 147	1	2016
4.	Measurement of the integrated and differential t t ⁻ production cross sections for high-p T top quarks in p p collisions at s= 8 TeV	Physical Review D 94 (7), 072002	18	2016
5.	Y(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 s= 7 and 8 TeV	Journal of High Energy Physics 2016 (10), 129	4	2016
7.	Y (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		12	2016
9.	two bottom quarks in proton-proton collisions at 8 TeV	052012		2010
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 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 Bs0 \rightarrow J/ $\psi\phi$ (1020) decay channel in pp collisions at s= 8 TeV	Physics letters B	17	2016
13.	Search for s channel single top quark production in pp collisions at s= 7 and 8 TeV	Journal of High Energy Physics 2016 (9), 27	3	2016
14.	Measurement of the $Z\gamma \rightarrow vv^{-}\gamma$ production cross section in pp collisions at 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 tt charge asymmetry using dilepton final states in pp collisions at s= 8TeV	Physics letters B	5	2016
16.	Search for R-parity violating decays of a top squark in proton—proton collisions at 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 s= 7 and 8 TeV	Journal of High Energy Physics 2016 (8), 119	4	2016
22.	Measurement of the tt ⁻ production cross section in the eμ channel in proton-proton collisions at 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 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 muon+ 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 bb pair in pp collisions at $\sqrt{s} = 8 \text{ TeV}$	Physics Letters B 758, 296-320	17	2016
27.	Search for pair-produced vectorlike B quarks in proton-proton collisions at s= 8 TeV	Physical Review D 93 (11), 112009	53	2016
28.	Inclusive and differential measurements of the charge asymmetry in pp collisions at 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 s= 8 TeV	Physics letters B	50	2016
31.	Search for W' decaying to tau lepton and neutrino in proton—proton collisions at s= 8 TeV	Physics letters B	6	2016
32.	Search for supersymmetry in p p collisions at 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 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 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 [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 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 (s)= 7 and 8 TeV	Physical Review D 93 (7), 072004	96	2016
40.	Erratum to: Comparison of the Z/γ^*+ jets to γ^+ jets cross sections in pp collisions at s= 8 \$ \\$ \sqrt {s}= 8 \$ \\$	JHEP 1604, 010	5	2016
41.	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at s= 8 TeV	Physical Review D 93 (5), 052011	21	2016
42.	Transverse momentum spectra of inclusive b jets in pPb collisions at s = 5.02 TeV	Physics letters B 754, 59-80	64*	2016
43.	Measurements of t t ⁻ spin correlations and top quark polarization using dilepton final states in p p collisions at s= 8 TeV	Physical Review D 93 (5), 052007	7	2016
44.	Search for heavy Majorana neutrinos in e+/-e+/-plus jets and e+/- mu+/-plus 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 s= 8 TeV	Physical Review D 93 (3), 032004	34	2016
47.	Search for single production of scalar leptoquarks in proton-proton collisions at s= 8 TeV	Physical Review D 93 (3), 032005	7	2016
48.	Measurement of the \$\ mathrm {Z}\ gamma\ rightarrow\ nu\ bar {\ nu}\ gamma \$ production cross section in pp collisions at \$\ sqrt {s}=\$8 TeV and limits on anomalous \$\ mathrm {ZZ}\ gamma \$ and \$\ mathrm {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 K2 0 μ + μ – from pp collisions at 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 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 s= 13 TeV	Physical review letters 116 (7), 071801	126	2016
53.	Search for neutral MSSM Higgs bosons decaying to μ+ μ– in pp collisions at s= 7 and 8 TeV	Physics letters B	4	2016
54.	Search for a Higgs boson decaying into γ γ→ ℓℓγ with low dilepton mass in pp collisions at 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 s= 13 TeV	Physical review letters 116 (5), 052002	48	2016
56.	Search for W'[right arrow] 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 μ+ μ– 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 t ⁻ production in proton-proton collisions at s= 8 TeV	Physical Review D 93 (1), 012001	78	2016
62.	Measurement of the cross section in pp collisions at TeVand 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 atV s [subscript NN]= 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 vs=8 TeV	(JHEP,(2016) 7,(027), 10.1007/JHEP07 (2016) 027)		2016
65.	Measurement of the t [bar over t] production cross section in the all- jets final state in pp collisions atV s= 8 TeV	Springer-Verlag		2016
66.	Search for resonant t [bar over t] production in proton-proton collisions at \forall s= 8 TeV	American Physical Society		2016
67.	Observation of top quark pairs produced in association with a vector boson in pp collisions at s= 8 TeV	Journal of high energy physics 2016 (1), 1-55	194*	2016

	List of Publications 20	010-2015		
	Dr. Taimoor Khurs	shid		
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 root 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 root 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 beamhalo 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

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17	Performance and operation of the CMS electromagnetic calorimeter	Journal Of Instrumentation	2010	3.148
17	Performance of CMS hadron calorimeter timing and	Journal Of Histiamentation	2010	3.140
18	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
	Performance of the CMS drift-tube chamber local trigger with			
22	cosmic rays	Journal Of Instrumentation	2010	3.148
	Performance of the CMS hadron calorimeter with cosmic ray			
23	muons and LHC beam data	Journal Of Instrumentation	2010	3.148
	Performance of the CMS Level-1 trigger during commissioning with			
24	cosmic ray muons and LHC beams	Journal Of Instrumentation	2010	3.148
	Performance study of the CMS barrel resistive plate chambers with			
25	cosmic rays	Journal Of Instrumentation	2010	3.148
	Precise mapping of the magnetic field in the CMS barrel yoke using			
26	cosmic rays	Journal Of Instrumentation	2010	3.148
27	Time reconstruction and performance of the CMS electromagnetic	lournal Of Instrumentation	2010	2 1 4 0
27	calorimeter Resistive Plate Chambers performance with Cosmic Rays in the	Journal Of Instrumentation Nuclear Instruments & Methods In Physics	2010	3.148
28	CMS experiment	Research Section A-Accelerators Spectrometers	2010	1.142
20	First Measurement of Bose-Einstein Correlations in Proton-Proton	Detectors And Associated Equipment	2010	1.142
29	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
	Search for Quark Compositeness with the Dijet Centrality Ratio in	,		
31	pp Collisions at root s=7 TeV	Physical Review Letters	2010	7.622
	Transverse-Momentum and Pseudorapidity Distributions of			
32	Charged Hadrons in pp Collisions at root s=7 TeV	Physical Review Letters	2010	7.622
	Measurement of the charge ratio of atmospheric muons with the			
33	CMS detector	Physics Letters B	2010	5.255
	Measurement of the t(t)over-bar production cross section in pp			
	collisions at root s=7 TeV using the kinematic properties of events			
34	with leptons and jets	European Physical Journal C	2011	3.631
25	Prompt and non-prompt J/psi production in pp collisions at root	5 Bb .:	2014	2.624
35	s=7 TeV	European Physical Journal C Jcpsp-Journal Of The College Of	2011	3.631
36	Thoracic Epidural Anaesthesia for Open Cholecystectomy	Physicians And Surgeons Pakistan	2011	0.342
	Charged particle multiplicities in pp interactions at root s=0:9, 2:36,	Journal Of High Energy		
37	and 7 TeV	Physics	2011	5.831
	Charged particle transverse momentum spectra in pp collisions at	Journal Of High Energy		
38	root s=0.9 and 7 TeV	Physics	2011	5.831
20	Dependence on pseudorapidity and on centrality of charged	Journal Of High Energy	2011	= 004
39	hadron production in PbPb collisions at root s(NN)=2.76 TeV	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
40	Long-range and short-range dihadron angular correlations in	Journal Of High Energy	2011	3.831
41	central PbPb collisions at root s(NN)=2.76 TeV	Physics	2011	5.831
	Measurement of B(B)over-bar angular correlations based on	Journal Of High Energy		0.000
42	secondary vertex reconstruction at root s=7 TeV	Physics	2011	5.831
	Measurement of Bose-Einstein correlations in pp collisions at root	Journal Of High Energy		
43	s=0.9 and 7 TeV	Physics	2011	5.831
	Measurement of energy flow at large pseudorapidities in pp	Journal Of High Energy		
44	collisions at root s=0.9 and 7 TeV	Physics	2011	5.831
	Measurement of the Drell-Yan cross section in pp collisions at root	Journal Of High Energy		
45	s=7 TeV	Physics	2011	5.831
	Measurement of the inclusive W and Z production cross sections in	Journal Of High Energy		
46	pp collisions at root s = 7 TeV with the CMS experiment	Physics	2011	5.831
47	Measurement of the inclusive Z cross section via decays to tau	Journal Of High Energy	2011	E 034
47	pairs in pp collisions at root s=7 TeV	Physics	2011	5.831
10	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at root s=7TeV	Journal Of High Energy	2011	5.831
48	Measurement of the t(t)over-bar production cross section and the	Physics	2011	2.031
	top quark mass in the dilepton channel in pp collisions at root s=7	Journal Of High Energy		
49	Tev	Physics	2011	5.831
50	Measurement of the underlying event activity at the LHC with root	Journal Of High Energy	2011	5.831
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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
84	Search for Pair Production of First-Generation Scalar Leptoquarks	Physical Review Letters	2011	7.37
85	in pp Collisions at root s=7 TeV	Physical Review Letters	2011	7.37
- 65	Search for Pair Production of Second-Generation Scalar	Thysical Neview Letters	2011	7.57
86	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
- 07	Search for Supersymmetry at the LHC in Events with Jets and	1 Hysical Neview Letters	2011	7.57
88	Missing Transverse Energy	Physical Review Letters	2011	7.37
- 00	Search for Supersymmetry in pp Collisions at root s=7 TeV in	Thysical neview Letters	2011	7.57
89	Events with Two Photons and Missing Transverse Energy	Physical Review Letters	2011	7.37
- 03	Study of Z Boson Production in PbPb Collisions at root s(NN)=2.76	yo.ca. neview zetters	2011	7.57
90	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
	First measurement of hadronic event shapes in pp collisions at root	,		
92	s=7 TeV	Physics Letters B	2011	3.955
	Measurement of the differential dijet production cross section in	,		
93	proton-proton collisions at root s=7 TeV	Physics Letters B	2011	3.955
	Measurement of the ratio of the 3-jet to 2-jet cross sections in pp	,		
94	collisions at root s=7 TeV	Physics Letters B	2011	3.955
	Measurement of W gamma and Z gamma production in pp	,		
95	collisions at root s=7 TeV	Physics Letters B	2011	3.955
	Measurement of W+W- production and search for the Higgs boson			
96	in pp collisions at root s=7 TeV	Physics Letters B	2011	3.955
	Search for a heavy bottom-like quark in pp collisions at root s=7	,		
97	TeV	Physics Letters B	2011	3.955
	Search for a heavy gauge boson W ' in the final state with an	•		
	electron and large missing transverse energy in pp collisions at root			
98	s=7 TeV	Physics Letters B	2011	3.955
	Search for a W ' boson decaying to a muon and a neutrino in pp			
99	collisions at root s=7 TeV	Physics Letters B	2011	3.955
	Search for first generation scalar leptoquarks in the e nu jj channel			
100	in pp collisions at root s=7 TeV	Physics Letters B	2011	3.955
	Search for microscopic black hole signatures at the Large Hadron			
101	Collider	Physics Letters B	2011	3.955
	Search for physics beyond the standard model using multilepton			
102	signatures in pp collisions at root s=7 TeV	Physics Letters B	2011	3.955
	Search for resonances in the dijet mass spectrum from 7 TeV pp			
103	collisions at CMS	Physics Letters B	2011	3.955
	Search for supersymmetry in pp collisions at 7 TeV in events with			
104	jets and missing transverse energy	Physics Letters B	2011	3.955
	A search for a doubly-charged Higgs boson in pp collisions at root			
105	s=7 TeV	European Physical Journal C	2012	5.247
	Centrality dependence of dihadron correlations and azimuthal			
106	anisotropy harmonics in PbPb collisions at root s(NN)=2.76 TeV	European Physical Journal C	2012	5.247
	Forward energy flow, central charged-particle multiplicities, and			
107	pseudorapidity gaps in W and Z boson events from pp collisions at	Furancan Dharitad La cont C	2042	F 247
107	root s=7 TeV	European Physical Journal C	2012	5.247
100	Measurement of the relative prompt production rate of chi(c2) and	Furancan Physical Lawrence C	2012	F 2 4 7
108	chi(c1) in pp collisions at root s=7 TeV	European Physical Journal C	2012	5.247
100	Measurement of the top-quark mass in t(t)over-bar events with	European Physical Journal C	2012	E 247
109	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
110	Ratios of dijet production cross sections as a function of the	Luropean Friysical Journal C	2012	J.241
	absolute difference in rapidity between jets in proton-proton			
111	collisions at root s=7 TeV	European Physical Journal C	2012	5.247
	Study of high-p(T) charged particle suppression in PbPb compared	Ear opean i hysical southal C	2012	3.241
112	to pp collisions at root s(NN)=2.76 TeV	European Physical Journal C	2012	5.247
	Study of the inclusive production of charged pions, kaons, and	za. opean i nysicai sournai c	2012	3.277
113	protons in pp collisions at root s=0.9, 2.76, and 7 TeV	European Physical Journal C	2012	5.247
-13	Exclusive gamma gamma -> mu(+)mu(-) production in proton-	Journal Of High Energy	_012	3.2-17
114	proton collisions at root s=7TeV	Physics	2012	5.618
	Figure 11 months at 10010 1101	, 5.55		5.510

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445	to death of the form of the state of the sta	Journal Of High Energy	2012	F 640
115	Inclusive b-jet production in pp collisions at root s=7 TeV	Physics	2012	5.618
		Journal Of High Energy		
116	J/psi and psi(2S) production in pp collisions at root s=7 TeV	Physics	2012	5.618
	Jet production rates in association with W and Z bosons in pp	Journal Of High Energy		
117	collisions at root s=7 TeV	Physics	2012	5.618
	Measurement of jet fragmentation into charged particles in pp and	Journal Of High Energy		
118	PbPb collisions at root s(NN)=2.76 TeV	Physics	2012	5.618
	Measurement of the cross section for production of b(b)over-barX	Journal Of High Energy		
119	decaying to muons in pp collisions at root s=7TeV	Physics	2012	5.618
	Measurement of the inclusive production cross sections for			
	forward jets and for dijet events with one forward and one central	Journal Of High Energy		
120	jet in pp collisions at root s=7 TeV	Physics	2012	5.618
	Measurement of the mass difference between top and antitop	Journal Of High Energy		
121	quarks	Physics	2012	5.618
	Measurement of the production cross section for pairs of isolated	Journal Of High Energy		
122	photons in pp collisions at root s=7 TeV	Physics	2012	5.618
	Measurement of the single-top-quark t-channel cross section in pp	Journal Of High Energy	2012	3.010
123	collisions at root s=7 TeV	Physics	2012	5.618
123		-	2012	3.018
124	Measurement of the t(t)over-bar production cross section in the	Journal Of High Energy	2012	E 640
124	dilepton channel in pp collisions at root s=7 TeV Measurement of the top-quark mass in t(t)over-bar events with	Physics	2012	5.618
		Journal Of High Energy		
125	lepton plus jets final states in pp collisions at root s=7 TeV	Physics	2012	5.618
	Measurement of the underlying event activity in pp collisions at	Journal Of High Energy		
126	root s=0 9 and 7 TeV with the novel jet-area/median approach	Physics	2012	5.618
	Measurement of the Z/gamma* plus b-jet cross section in pp	Journal Of High Energy		
127	collisions at root s=7 TeV	Physics	2012	5.618
	Observation of Z decays to four leptons with the CMS detector at	Journal Of High Energy		
128	the LHC	Physics	2012	5.618
	Search for a fermiophobic Higgs boson in pp collisions at root s=7	Journal Of High Energy		
129	TeV	Physics	2012	5.618
	Search for a Higgs boson in the decay channel H -> ZZ((*)) ->	Journal Of High Energy		
130	q(q)over-barl(-)l(+) in pp collisions at root s=7 TeV	Physics	2012	5.618
	Search for a light charged Higgs boson in top quark decays in pp	Journal Of High Energy		0.000
131	collisions at root s=7 TeV	Physics	2012	5.618
101	Search for anomalous production of multilepton events in pp	Journal Of High Energy		5.010
132	collisions at root s=7 TeV	Physics	2012	5.618
132	Search for anomalous t(t)over-bar production in the highly-	Journal Of High Energy	2012	3.010
133	boosted all-hadronic final state	Physics	2012	5.618
133	boosted all-liadionic fillal state	Journal Of High Energy	2012	3.018
124	Coarch for D. C(0) > multimul) and D. O. > multimul) decays	Physics	2012	Г С10
134	Search for B-S(0) -> mu(+)mu(-) and B-0 -> mu(+)mu(-) decays	, ,	2012	5.618
405	Search for dark matter and large extra dimensions in monojet	Journal Of High Energy	2012	5 640
135	events in pp collisions at root s=7 TeV	Physics	2012	5.618
	Search for electroweak production of charginos and neutralinos	Journal Of High Energy		
136	using leptonic final states in pp collisions at root s=7 TeV	Physics	2012	5.618
1	Search for exclusive or semi-exclusive gamma gamma production		1	
	and observation of exclusive and semi-exclusive e(+)e(-)	Journal Of High Energy		
137	production in pp collisions at root s=7 TeV	Physics	2012	5.618
	Search for heavy bottom-like quarks in 4.9 fb(-1) of pp collisions at	Journal Of High Energy		
138	root s=7 TeV	Physics	2012	5.618
	Search for leptonic decays of W ' bosons in pp collisions at root	Journal Of High Energy		
139	s=7TeV	Physics	2012	5.618
		Journal Of High Energy		
140	Search for microscopic black holes in pp collisions at root s=7 TeV	Physics	2012	5.618
	Search for new physics in events with same-sign dileptons and b-	Journal Of High Energy		
141	tagged jets in pp collisions at root s=7 TeV	Physics	2012	5.618
	Search for new physics with long-lived particles decaying to	Journal Of High Energy		-
142	photons and missing energy in pp collisions at root s=7 TeV	Physics	2012	5.618
174	Search for quark compositeness in dijet angular distributions from	Journal Of High Energy	2012	5.010
143	pp collisions at root s=7 TeV	Physics	2012	5.618
143	Search for resonant t(t)over-bar production in lepton plus jets	Journal Of High Energy	2012	3.010
	r search un resonant in inver-har broduction in lenton hills lets	I Journal Of High Energy	1	
144			2012	E C10
144	events in pp collisions at root s=7 TeV	Physics	2012	5.618
144			2012	5.618 5.618

	Search for supersymmetry in hadronic final states using M-T2 in pp	Journal Of High Energy		
146	collisions at root s=7 TeV	Physics	2012	5.618
	Search for the standard model Higgs boson in the H -> ZZ -> 2l2v	Journal Of High Energy		
147	channel in pp collisions at root s=7 TeV	Physics	2012	5.618
l I	Search for the standard model Higgs boson in the H -> ZZ -> I(+)I(-	Journal Of High Energy		
148)tau(+)tau(-) decay channel in pp collisions at root s=7 TeV	Physics	2012	5.618
l I	Search for the standard model Higgs boson produced in association	Journal Of High Energy		
149	with W and Z bosons in pp collisions at root s=7 TeV	Physics	2012	5.618
l I	Search for third-generation leptoquarks and scalar bottom quarks	Journal Of High Energy		
150	in pp collisions at root s=7 TeV	Physics	2012	5.618
	Shape, transverse size, and charged-hadron multiplicity of jets in	Journal Of High Energy		
151	pp collisions at root s=7 TeV	Physics	2012	5.618
	Suppression of non-prompt J/psi, prompt J/psi, and Upsilon(1S) in	Journal Of High Energy		
152	PbPb collisions at root s(NN)=2.76 TeV	Physics	2012	5.618
l I	Performance of CMS muon reconstruction in pp collision events at			
153	root s=7Tev	Journal Of Instrumentation	2012	1.656
	Performance of tau-lepton reconstruction and identification in			
154	CMS	Journal Of Instrumentation	2012	1.656
	The commissioning and the first operational experiences of the	Nuclear Instruments & Methods In Physics		
155	CMS RPC detector control system at LHC	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
	Inclusive search for squarks and gluinos in pp collisions at root s=7	,		
157	TeV	Physical Review D	2012	4.691
	Measurement of the rapidity and transverse momentum	,		
158	distributions of Z bosons in pp collisions at root(s)=7 TeV	Physical Review D	2012	4.691
130	Measurement of the t(t)over-bar production cross section in pp	Thysical Neview B	LUIL	1.031
159	collisions at root s=7 TeV in dilepton final states containing a tau	Physical Review D	2012	4.691
133	Search for pair production of first- and second-generation scalar	1 Hysical Neview B	2012	4.031
160	leptoquarks in pp collisions at root s=7 TeV	Physical Review D	2012	4.691
100	Search for supersymmetry in events with b-quark jets and missing	Filysical Neview D	2012	4.031
161	transverse energy in pp collisions at 7 TeV	Dhysical Povious D	2012	4.691
101	Azimuthal Anisotropy of Charged Particles at High Transverse	Physical Review D	2012	4.091
162	.,	Dhysical Davious Latters	2012	7.042
162	Momenta in Pb-Pb Collisions at root S-NN=2.76 TeV	Physical Review Letters	2012	7.943
460	Measurement of the Electron Charge Asymmetry in Inclusive W	District Desire Letters	2042	7.042
163	Production in pp Collisions at root s=7 TeV	Physical Review Letters	2012	7.943
	Measurement of the Pseudorapidity and Centrality Dependence of			
164	the Transverse Energy Density in Pb-Pb Collisions at root	Dhusiaal Daviano Lattana	2012	7.042
164	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 upsilon Suppression in PbPb Collisions	Physical Review Letters	2012	7.943
	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay		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 Physical Review Letters		
	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at	Physical Review Letters	2012	7.943 7.943
167 168	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV		2012	7.943
168	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions	Physical Review Letters Physical Review Letters	2012 2012 2012	7.943 7.943 7.943
	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy	Physical Review Letters	2012	7.943 7.943
168	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy Search for Heavy Neutrinos and W-R Bosons with Right-Handed	Physical Review Letters Physical Review Letters	2012 2012 2012	7.943 7.943 7.943
168	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy Search for Heavy Neutrinos and W-R Bosons with Right-Handed Couplings in a Left-Right Symmetric Model in pp Collisions at root	Physical Review Letters Physical Review Letters Physical Review Letters	2012 2012 2012 2012	7.943 7.943 7.943 7.943
168	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Physical Review Letters	2012 2012 2012	7.943 7.943 7.943
168 169 170	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Search for New Physics in the Multijet and Missing Transverse	Physical Review Letters Physical Review Letters Physical Review Letters Physical Review Letters	2012 2012 2012 2012 2012	7.943 7.943 7.943 7.943 7.943
168	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Physical Review Letters Physical Review Letters	2012 2012 2012 2012	7.943 7.943 7.943 7.943
168 169 170	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV Search for New Physics with Same-Sign Isolated Dilepton Events	Physical Review Letters Physical Review Letters Physical Review Letters Physical Review Letters	2012 2012 2012 2012 2012	7.943 7.943 7.943 7.943 7.943
168 169 170	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy	Physical Review Letters Physical Review Letters Physical Review Letters Physical Review Letters	2012 2012 2012 2012 2012	7.943 7.943 7.943 7.943 7.943
168 169 170 171	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV Search for New Physics with Same-Sign Isolated Dilepton Events	Physical Review Letters	2012 2012 2012 2012 2012 2012	7.943 7.943 7.943 7.943 7.943
168 169 170 171	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy	Physical Review Letters	2012 2012 2012 2012 2012 2012	7.943 7.943 7.943 7.943 7.943
168 169 170 171 172	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy Search for Signatures of Extra Dimensions in the Diphoton Mass	Physical Review Letters	2012 2012 2012 2012 2012 2012 2012	7.943 7.943 7.943 7.943 7.943 7.943
168 169 170 171 172	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider	Physical Review Letters	2012 2012 2012 2012 2012 2012 2012	7.943 7.943 7.943 7.943 7.943 7.943
168 169 170 171 172 173	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider Search for the Standard Model Higgs Boson in the Decay Channel H	Physical Review Letters	2012 2012 2012 2012 2012 2012 2012 2012	7.943 7.943 7.943 7.943 7.943 7.943 7.943
168 169 170 171 172 173	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider Search for the Standard Model Higgs Boson in the Decay Channel H -> ZZ -> 41 in pp Collisions at root s=7 TeV	Physical Review Letters	2012 2012 2012 2012 2012 2012 2012 2012	7.943 7.943 7.943 7.943 7.943 7.943 7.943
168 169 170 171 172 173 174	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider Search for the Standard Model Higgs Boson in the Decay Channel H -> ZZ -> 4l in pp Collisions at root s=7 TeV Study of the Dijet Mass Spectrum in pp -> W + jets Events at root s=7 TeV	Physical Review Letters	2012 2012 2012 2012 2012 2012 2012 2012	7.943 7.943 7.943 7.943 7.943 7.943 7.943 7.943
168 169 170 171 172 173 174	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider Search for the Standard Model Higgs Boson in the Decay Channel H -> ZZ -> 41 in pp Collisions at root s=7 TeV	Physical Review Letters	2012 2012 2012 2012 2012 2012 2012 2012	7.943 7.943 7.943 7.943 7.943 7.943 7.943 7.943
168 169 170 171 172 173 174	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider Search for the Standard Model Higgs Boson in the Decay Channel H -> ZZ -> 4l in pp Collisions at root s=7 TeV Study of the Dijet Mass Spectrum in pp -> W + jets Events at root s=7 TeV Combined results of searches for the standard model Higgs boson in pp collisions at root s=7 TeV	Physical Review Letters Physical Review Letters	2012 2012 2012 2012 2012 2012 2012 2012	7.943 7.943 7.943 7.943 7.943 7.943 7.943 7.943 7.943
168 169 170 171 172 173 174	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy 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 Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider Search for the Standard Model Higgs Boson in the Decay Channel H -> ZZ -> 4l in pp Collisions at root s=7 TeV Study of the Dijet Mass Spectrum in pp -> W + jets Events at root s=7 TeV Combined results of searches for the standard model Higgs boson	Physical Review Letters Physical Review Letters	2012 2012 2012 2012 2012 2012 2012 2012	7.943 7.943 7.943 7.943 7.943 7.943 7.943 7.943 7.943

	root s(NN)=2.76 TeV			
	Measurement of isolated photon production in pp and PbPb			
179	collisions at root s(NN)=2.76 TeV	Physics Letters B	2012	4.569
	Measurement of the charge asymmetry in top-quark pair		-	
180	production in proton-proton collisions at root s=7 TeV	Physics Letters B	2012	4.569
	Measurement of the Lambda(b) cross section and the			
	(Lambda)over-bar(b) to Lambda(b) ratio with J/psi Lambda decays			
181	in pp collisions at root s=7 TeV CMS Collaboration	Physics Letters B	2012	4.569
	Observation of a new boson at a mass of 125 GeV with the CMS			
182	experiment at the LHC	PHYSICS LETTERS B	2012	4.569
400	Search for charge-asymmetric production of W bosons in t(t)over-	Bl. size Letters B	2042	4.500
183	bar + jet events from pp collisions at root s=7 TeV Search for heavy lepton partners of neutrinos in proton-proton	Physics Letters B	2012	4.569
184	collisions in the context of the type III seesaw mechanism	Physics Letters B	2012	4.569
104	Search for heavy long-lived charged particles in pp collisions at root	Thysics Letters b	2012	4.505
185	s=7 TeV	Physics Letters B	2012	4.569
	Search for heavy Majorana neutrinos in mu(+/-)mu(+/-) + jets and			
186	e(+/-)e(+/-) + jets events in pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
	Search for heavy, top-like quark pair production in the dilepton			
187	final state in pp collisions at. root s=7 TeV	Physics Letters B	2012	4.569
	Search for high-mass resonances decaying into tau-lepton pairs in			
188	pp collisions at root s=7 TeV	Physics Letters B	2012	4.569
400	Search for large extra dimensions in dimuon and dielectron events		2012	4.500
189	in pp collisions at root s=7 TeV Search for narrow resonances in dilepton mass spectra in pp	Physics Letters B	2012	4.569
190	collisions at root s=7 TeV CMS Collaboration	Physics Letters B	2012	4.569
190	Search for neutral Higgs bosons decaying to tau pairs in pp	Filysics Letters B	2012	4.303
191	collisions at root s=7 TeV	Physics Letters B	2012	4.569
131	Search for pair produced fourth-generation up-type quarks in pp	· myoloo zettelo z	2012	
192	collisions at root s=7 TeV with a lepton in the final state	Physics Letters B	2012	4.569
	Search for physics beyond the standard model in events with a Z			
	boson, jets, and missing transverse energy in pp collisions at root			
193	s=7 TeV	Physics Letters B	2012	4.569
	Search for the standard model Higgs boson decaying into two			
194	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
133	Search for the standard model Higgs boson decaying to W+W- in	Thysics Letters b	2012	4.505
196	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
	Study of W boson production in PbPb and pp collisions at root	,		
198	s(NN)=2.76 TeV	Physics Letters B	2012	4.569
	A New Boson with a Mass of 125 GeV Observed with the CMS			
199	Experiment at the Large Hadron Collider	SCIENCE	2012	31.027
	Jet and underlying event properties as a function of charged-			
200	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
201	Measurement of masses in the t(t)over-tilde system by kinematic	European Physical Journal C	2015	3.430
202	endpoints in pp collisions at root s=7 TeV	European Physical Journal C	2013	5.436
	Measurement of the ratio of the inclusive 3-jet cross section to the			21.00
	inclusive 2-jet cross section in pp collisions at root s=7 TeV and first			
203	determination of the strong coupling constant in the TeV range	European Physical Journal C	2013	5.436
	Measurement of the sum of WW and WZ production with W plus			
204	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	5	2012	F 400
205	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
200	Search for a standard-model-like Higgs boson with a mass in the	European / Hysical Journal C	2013	J. 4 JU
207	range 145 to 1000 GeV at the LHC	European Physical Journal C	2013	5.436
	Search for physics beyond the standard model in events with tau	, , , , , , , , , , , , , , , , , , , ,	-	
	leptons, jets, and large transverse momentum imbalance in pp			
208	collisions at root s=7 TeV	European Physical Journal C	2013	5.436

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	Search for supersymmetry in hadronic final states with missing			
200	transverse energy using the variables alpha(T) and b-quark	Furanca Dhysical Journal C	2012	E 426
209	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	E 426
210	Search for top-squark pair production in the single-lepton final	European Physical Journal C	2013	5.436
211	state in pp collisions at	European Physical Journal C	2013	5.436
211	Measurement of the cross section and angular correlations for	European i nysicai sournai e	2013	3.430
	associated production of a Z boson with b hadrons in pp collisions	Journal Of High Energy		
212	at root s=7 TeV	Physics	2013	6.22
	Measurement of the differential and double-differential Drell-Yan	Journal Of High Energy		
213	cross sections in proton-proton collisions at root s=7 TeV	Physics	2013	6.22
	Measurement of the hadronic activity in events with a Z and two			
	jets and extraction of the cross section for the electroweak	Journal Of High Energy		
214	production of a Z with two jets in pp collisions at root s=7 TeV	Physics	2013	6.22
	Measurement of the Lambda(0)(b) lifetime in pp collisions at root	Journal Of High Energy		
215	s=7 TeV	Physics	2013	6.22
	Measurement of the production cross section for Z gamma ->			
	nu(nu)over-bar gamma in pp collisions at root s=7 TeV and limits	Journal Of High Energy		
216	on ZZ gamma and Z gamma gamma triple gauge boson couplings	Physics	2013	6.22
247	Measurement of the t(t)over-bar production cross section in the	Journal Of High Energy	2042	6.22
217	all-jet final state in pp collisions at root s=7 TeV	Physics	2013	6.22
	Measurement of the W-boson helicity in top-quark decays from	Journal Of High Engrav		
218	t(t)over-bar production in lepton plus jets events in pp collisions at root s=7 TeV	Journal Of High Energy Physics	2013	6.22
210	Measurement of the X(3872) production cross section via decays	Journal Of High Energy	2013	0.22
219	to J/psi pi(+)pi(-) in pp collisions at root s=7 TeV	Physics	2013	6.22
	Measurement of the ZZ production cross section and search for	Titysies	2013	0.22
	anomalous couplings in 212l' final states in pp collisions at root s=7	Journal Of High Energy		
220	TeV	Physics	2013	6.22
	Observation of a new boson with mass near 125 GeV in pp	Journal Of High Energy		
221	collisions at root s=7 and 8 TeV	Physics	2013	6.22
	Search for exotic resonances decaying into WZ/ZZ in pp collisions	Journal Of High Energy		
222	at root s=7 TeV	Physics	2013	6.22
		Journal Of High Energy		
223	Search for microscopic black holes in pp collisions at root s=8 TeV	Physics	2013	6.22
	Search for narrow resonances and quantum black holes in inclusive	Journal Of High Energy		
224	and b-tagged dijet mass spectra from pp collisions at root s=7 TeV	Physics	2013	6.22
225	Search for new physics in events with photons, jets, and missing	Journal Of High Energy	2012	6.22
225	transverse energy in pp collisions at root s=7 TeV search for new physics in events with same-sign dileptons and b	Physics Journal Of High Energy	2013	6.22
226	jets in pp collisions at root s = 8 TeV (vol 3, pg 037, 2013)	Physics	2013	6.22
220	Search for new physics in events with same-sign dileptons and b	Journal Of High Energy	2013	0.22
227	jets in pp collisions at root s=8 TeV	Physics	2013	6.22
	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	Journal Of High Energy		
228	the variable alpha(T)	Physics	2013	6.22
	Search for the standard model Higgs boson produced in association	Journal Of High Energy		
229	with a top-quark pair in pp collisions at the LHC	Physics	2013	6.22
	Search in leptonic channels for heavy resonances decaying to long-	Journal Of High Energy		
230	lived neutral particles	Physics	2013	6.22
	Searches for long-lived charged particles in pp collisions at root s=7	Journal Of High Energy		
231	and 8 TeV	Physics	2013	6.22
222	Studies of let mass in dilet and W/7 - let let events	Journal Of High Energy	2012	6.33
232	Studies of jet mass in dijet and W/Z plus jet events Study of exclusive two-photon production of W+W- in pp collisions	Physics	2013	6.22
	at root s=7 TeV and constraints on anomalous quartic gauge	Journal Of High Energy		
233	couplings	Physics	2013	6.22
	Study of the underlying event at forward rapidity in pp collisions at	Journal Of High Energy	2013	0.22
234	root s=0.9, 2.76, and 7 TeV	Physics	2013	6.22
	Energy calibration and resolution of the CMS electromagnetic	,	1	
235	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			
	Measurement of the elliptic anisotropy of charged particles			
238	produced in PbPb collisions at root s(NN)=2.76 TeV	Physical Review C	2013	3.881
	Interpretation of searches for supersymmetry with simplified			
239	models	Physical Review D	2013	4.864
240	Measurement of neutral strange particle production in the	Bh stad Barta B	2012	4.064
240	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
241	Observation of a diffractive contribution to dijet production in	Filysical Neview D	2013	4.004
242	proton-proton collisions at root s = 7 TeV	Physical Review D	2013	4.864
	Rapidity distributions in exclusive Z plus jet and gamma plus jet	, , , , , , , , , , , , , , , , , , , ,		
243	events in pp collisions at root s=7 TeV	Physical Review D	2013	4.864
	Search for contact interactions in mu(+)mu(-) events in pp			
244	collisions at root s = 7 TeV	Physical Review D	2013	4.864
	Search for contact interactions using the inclusive jet p(T)			
245	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
240	Search for narrow resonances using the dijet mass spectrum in pp	Filysical Review D	2013	4.004
247	collisions at root s=8 TeV	Physical Review D	2013	4.864
,	Search for new physics in final states with a lepton and missing	i nysiaa neview z	2015	
248	transverse energy in pp collisions at the LHC	Physical Review D	2013	4.864
	Search for supersymmetry in events with opposite-sign dileptons			
249	and missing transverse energy using an artificial neural network	Physical Review D	2013	4.864
	Search for supersymmetry in final states with a single lepton, b-			
250	quark jets, and missing transverse energy in proton-proton		2012	
250	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
231	Evidence for Associated Production of a Single Top Quark and W	Filysical Review D	2013	4.004
252	Boson in pp Collisions at root s=7 TeV	Physical Review Letters	2013	7.728
	Inclusive Search for Supersymmetry Using Razor Variables in pp	,		
253	Collisions at root s=7 TeV	Physical Review Letters	2013	7.728
	Measurement of associated production of vector bosons and top			
254	quark-antiquark pairs in pp collisions at root s=7 TeV	Physical Review Letters	2013	7.728
	Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-			
255	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
230	Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S)	Filysical Review Letters	2013	7.720
257	Polarizations in pp Collisions at root s 7 TeV	Physical Review Letters	2013	7.728
	Search for Pair Production of Third-Generation Leptoquarks and	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
258	Top Squarks in pp Collisions at root s=7 TeV	Physical Review Letters	2013	7.728
	Search for pair-produced dijet resonances in four-jet final states in			
259	pp collisions at root s=7 TeV	Physical Review Letters	2013	7.728
250	Search for Top Squarks in R-Parity-Violating Supersymmetry Using		2012	
260	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
201	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via	i nysicai neview Letters	2013	1.120
262	Its Decays to Z Boson Pairs	Physical Review Letters	2013	7.728
	Angular analysis and branching fraction measurement of the decay			
263	B-0 -> K*(0)mu(+)mu(-)	Physics Letters B	2013	6.019
	Event shapes and azimuthal correlations in Z plus jets events in pp			
264	collisions at root s=7 TeV	Physics Letters B	2013	6.019
205	Forward-backward asymmetry of Drell-Yan lepton pairs in pp	Dhusias Lattana D	2012	6.040
265	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
200	Measurement of the prompt J/psi and psi(2S) polarizations in pp	r nyaica Lectera D	2013	0.013
267	collisions at root s=7 TeV	Physics Letters B	2013	6.019
	Measurement of the t(t)over-bar production cross section in pp			
268	collisions at root s=7 TeV with lepton plus jets final states	Physics Letters B	2013	6.019

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200	Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S)	Bh. day by the page	2042	6.040
269	cross sections in pp collisions at root s=7 TeV Measurement of the W+W- and ZZ production cross sections in pp	Physics Letters B	2013	6.019
270	collisions at root s=8 TeV	Physics Letters B	2013	6.019
270	Multiplicity and transverse momentum dependence of two- and	Thysics Letters b	2013	0.013
271	four-particle correlations in pPb and PbPb collisions	Physics Letters B	2013	6.019
	Observation of long-range, near-side angular correlations in pPb	· mysics detters b	2010	0.015
272	collisions at the LHC	Physics Letters B	2013	6.019
	Search for a Higgs boson decaying into a b-quark pair and			
	produced in association with b quarks in proton-proton collisions			
273	at 7 TeV	Physics Letters B	2013	6.019
	Search for a Higgs boson decaying into a Z and a photon in pp			
274	collisions at root s=7 and 8 TeV	Physics Letters B	2013	6.019
	Search for a narrow, spin-2 resonance decaying to a pair of Z			
275	bosons in the q(q)over-barl(+)I(-) final state	Physics Letters B	2013	6.019
276	Search for a new bottomonium state decaying to	Blooding Latter B	2042	6.040
276	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
2//	Search for a W ' boson decaying to a bottom quark and a top quark	Physics Letters B	2013	0.019
278	in pp collisions at root s=7 TeV	Physics Letters B	2013	6.019
270	Search for anomalous production of highly boosted Z bosons	Thysics Letters B	2013	0.015
279	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
	Search for flavor changing neutral currents in top quark decays in			
281	pp collisions at 7 TeV	Physics Letters B	2013	6.019
	Search for gluino mediated bottom- and top-squark production in			
282	multijet final states in pp collisions at 8 TeV	Physics Letters B	2013	6.019
	Search for heavy narrow dilepton resonances in pp collisions at			
283	root s=7 TeV and root s=8 TeV	Physics Letters B	2013	6.019
20.	Search for heavy resonances in the W/Z-tagged dijet mass	51	2010	6.040
284	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
263	Search for new physics in events with opposite-sign leptons, jets,	Filysics Letters B	2013	0.019
286	and missing transverse energy in pp collisions at root s=7 TeV	Physics Letters B	2013	6.019
	Search for supersymmetry in events with photons and low missing	yoloo zettelo z	2015	0.013
287	transverse energy in pp collisions at root s=7 TeV	Physics Letters B	2013	6.019
	Searches for Higgs bosons in pp collisions at root s=7 and 8 TeV in			
288	the context of four-generation and fermiophobic models	Physics Letters B	2013	6.019
	Studies of jet quenching using isolated-photon plus jet correlations			
289	in PbPb and pp collisions at root s(NN)=2.76 TeV	Physics Letters B	2013	6.019
	Measurement of differential cross sections for the production of a			
290	pair of isolated photons in pp collisions at root s=7TeV	European Physical Journal C	2014	5.084
201	Measurement of jet multiplicity distributions in t(t)over-bar	Furancan Physical Journal C	2014	F 004
291	production in pp collisions at root s=7TeV Measurement of pseudorapidity distributions of charged particles	European Physical Journal C	2014	5.084
	in proton-proton collisions at root s=8 TeV by the CMS and TOTEM			
292	experiments	European Physical Journal C	2014	5.084
	Measurement of the top-quark mass in all-jets t(t)over-bar events			5.501
293	in pp collisions at root s=7 TeV	European Physical Journal C	2014	5.084
	Measurement of top quark-antiquark pair production in			
294	association with a W or Z boson in pp collisions at root s=8 TeV	European Physical Journal C	2014	5.084
	Measurement of WZ and ZZ production in pp collisions at in final			
295	states with b-tagged jets	European Physical Journal C	2014	5.084
	Observation of the diphoton decay of the Higgs boson and			
296	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
200	Search for heavy neutrinos and W bosons with right-handed	European Physical Leveral C	2014	E 004
298	couplings in proton-proton collisions at root s=8TeV	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
233	Searches for electroweak production of charginos, neutralinos, and	European Friysical Journal C	2014	5.004
300	sleptons decaying to leptons and W, Z, and Higgs bosons in pp	European Physical Journal C	2014	5.084
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	collisions at 8 TeV			
	Studies of dijet transverse momentum balance and pseudorapidity			
301	distributions in pPb collisions at root s(NN)=5.02 TeV	European Physical Journal C	2014	5.084
	Study of the production of charged pions, kaons, and protons in	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
302	pPb collisions at root SNN=5.02 TeV	European Physical Journal C	2014	5.084
	Event activity dependence of (nS) production in=5.02 TeV pPb	Journal Of High Energy		
303	and=2.76 TeV pp collisions	Physics	2014	6.111
	Evidence for the 125 GeV Higgs boson decaying to a pair of tau	Journal Of High Energy		
304	leptons	Physics	2014	6.111
	Identification techniques for highly boosted W bosons that decay	JOURNAL OF HIGH ENERGY		
305	into hadrons	PHYSICS	2014	6.111
	Measurement of associated W plus charm production in pp	Journal Of High Energy		
306	collisions at root s=7 TeV	Physics	2014	6.111
	Measurement of Higgs boson production and properties in the	Journal Of High Energy		
307	WW decay channel with leptonic final states	Physics	2014	6.111
	Measurement of prompt J/psi pair production in pp collisions at	Journal Of High Energy		
308	root s = 7 Tev	Physics	2014	6.111
	Measurement of the production cross sections for a Z boson and	Journal Of High Energy		
309	one or more b jets in pp collisions at root s=7 TeV	Physics	2014	6.111
	Measurement of the t(t)over-bar production cross section in the	Journal Of High Energy		
310	dilepton channel in pp collisions at root s = 8 TeV (vol 2, 024, 2014)	Physics	2014	6.111
244	Measurement of the t(t)over-bar production cross section in the	Journal Of High Energy	2014	C 111
311	dilepton channel in pp collisions at root s=8 TeV	Physics	2014	6.111
	Measurement of the t-channel single-top-quark production cross	Journal Of High Engage		
312	section and of the V (tb) CKM matrix element in pp collisions at root s=8 TeV	Journal Of High Energy Physics	2014	6.111
312	Measurement of the triple-differential cross section for photon		2014	0.111
313	plus jets production in proton-proton collisions at=7 TeV	Journal Of High Energy Physics	2014	6.111
313	Measurements of the t(t)Overbar charge asymmetry using the	Journal Of High Energy	2014	0.111
314	dilepton decay channel in pp collisions at root s=7 TeV	Physics	2014	6.111
314	Search for anomalous production in the highly-boosted all-	Journal Of High Energy	2014	0.111
315	hadronic final state (vol 09, 029, 2012)	Physics	2014	6.111
313	Search for massive resonances decaying into pairs of boosted	Journal Of High Energy	2011	0.111
316	bosons in semi-leptonic final states at root s=8 TeV	Physics	2014	6.111
	Search for massive resonances in dijet systems containing jets	Journal Of High Energy		
317	tagged as W or Z boson decays in pp collisions at root s=8 TeV	Physics	2014	6.111
	Search for neutral MSSM Higgs bosons decaying to a pair of tau	Journal Of High Energy		
318	leptons in pp collisions	Physics	2014	6.111
	Search for new physics in events with same-sign dileptons and jets	Journal Of High Energy		
319	in pp collisions at root s=8 TeV	Physics	2014	6.111
	Search for new physics in the multijet and missing transverse	Journal Of High Energy		
320	momentum final state in proton-proton collisions at root s=8 Tev	Physics	2014	6.111
	Search for pair production of excited top quarks in the lepton plus	Journal Of High Energy		
321	jets final state	Physics	2014	6.111
	Search for standard model production of four top quarks in the	Journal Of High Energy		
322	lepton plus jets channel in pp collisions at root S=8 TeV	Physics	2014	6.111
	Search for the associated production of the Higgs boson with a	Journal Of High Energy		
323	top-quark pair	Physics	2014	6.111
	Search for the associated production of the Higgs boson with a	Journal Of High Energy		
324	top-quark pair (vol 9, 087, 2014)	Physics	2014	6.111
	Search for W '-> tb decays in the lepton plus jets final state in pp	Journal Of High Energy		_
325	collisions at root s=8 TeV	Physics	2014	6.111
	Studies of azimuthal dihadron correlations in ultra-central PbPb	Journal Of High Energy		
326	collisions at=2.76 TeV	Physics	2014	6.111
	Study of double parton scattering using W+2-jet events in proton-	Journal Of High Energy		
327	proton collisions at root s=7 TeV	Physics	2014	6.111
222	Study of hadronic event-shape variables in multijet final states in	Journal Of High Energy	2611	C 4 4 4
328	pp collisions at root s=7 TeV	Physics	2014	6.111
329	Alignment of the CMS tracker with LHC and cosmic ray data	Journal Of Instrumentation	2014	1.399
220	Description and performance of track and primary-vertex	January Of Land Co. 1	204.	1 202
330	reconstruction with the CMS tracker	Journal Of Instrumentation	2014	1.399
224	Measurement of higher-order harmonic azimuthal anisotropy in	Physical Povious C	2014	רכד כ
331	PbPb collisions at root s(NN)=2.76 TeV Measurement of ict fragmentation in PbPb and no collisions at	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			
	Measurement of four-jet production in proton-proton collisions at			
333	root s=7 TeV	Physical Review D	2014	4.643
	Measurement of the muon charge asymmetry in inclusive pp -> W			
	plus X production at root s=7 TeV and an improved determination			
334	of light parton distribution functions	Physical Review D	2014	4.643
	Measurement of the properties of a Higgs boson in the four-lepton			
335	final state	Physical Review D	2014	4.643
	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			
336	collisions at root s=7 TeV	Physical Review D	2014	4.643
330	Measurement of the W gamma and Z gamma inclusive cross	Thysical neview b	2014	4.043
	sections in pp collisions at root s=7 TeV and limits on anomalous			
337	triple gauge boson couplings	Physical Review D	2014	4.643
	Search for anomalous production of events with three or more			
338	leptons in pp collisions at root s=8 TeV	Physical Review D	2014	4.643
	Search for jet extinction in the inclusive jet-p(T) spectrum from			
339	proton-proton collisions at root s=8 TeV	Physical Review D	2014	4.643
2.40	Search for supersymmetry with razor variables in pp collisions at	211/2/21/21/25/45/45	2011	
340	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
341	Search for WW gamma and WZ gamma production and constraints	Priysical Review D	2014	4.045
	on anomalous quartic gauge couplings in pp collisions at root s=8			
342	TeV	Physical Review D	2014	4.643
	Searches for electroweak neutralino and chargino production in	,		
343	channels with Higgs, Z, and W bosons in pp collisions at 8 TeV	Physical Review D	2014	4.643
	Searches for heavy Higgs bosons in two-Higgs-doublet models and			
	for t -> ch decay using multilepton and diphoton final states in pp			
344	collisions at 8 TeV	PHYSICAL REVIEW D	2014	4.643
	Evidence of b-Jet Quenching in PbPb Collisions at root S-NN=2.76			
345	TeV	Physical Review Letters	2014	7.512
246	Measurement of Inclusive W and Z Boson Production Cross	Dhysical Daview Letters	2014	7 512
346	Sections in pp Collisions at root s=8 TeV Measurement of Prompt psi(2S) to J/psi. Yield Ratios in Pb-Pb and	Physical Review Letters	2014	7.512
347	p-p Collisions at root sNN=2.76 TeV	PHYSICAL REVIEW LETTERS	2014	7.512
J .,	Measurements of t(t)over-bar Spin Correlations and Top-Quark			7.012
	Polarization Using Dilepton Final States in pp Collisions at root s=7			
348	TeV	Physical Review Letters	2014	7.512
	Observation of the Associated Production of a Single Top Quark -			
349	and a W Boson in pp Collisions at root s=8 TeV	Physical Review Letters	2014	7.512
	Search for Flavor-Changing Neutral Currents in Top-Quark Decays t			
350	-> Zq in pp Collisions at root s=8 TeV	Physical Review Letters	2014	7.512
254	Search for Top Squark and Higgsino Production Using Diphoton	Dhusiaal Davies 15115	2014	7.543
351	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
332	Constraints on the Higgs boson width from off-shell production	r nysicai neview Letters	2014	1.314
353	and decay to Z-boson pairs	Physics Letters B	2014	6.131
	Determination of the top-quark pole mass and strong coupling	,		
	constant from the t(t)over-bar production cross section in pp			
354	collisions at root s=7 TeV	Physics Letters B	2014	6.131
	Inclusive search for a vector-like T quark with charge 2/3 in pp			
355	collisions at root s=8 TeV	Physics Letters B	2014	6.131
0.5.5	Measurement of the production cross section for a W boson and			6.45
356	two b jets in pp collisions at root s=7 TeV	Physics Letters B	2014	6.131
257	Measurement of the ratio B(t -> Wb)/B(t -> Wq) in pp collisions at	Physics Lottors P	2014	6 121
357	root s=8 TeV Measurement of the t(t)over-bar production cross section in pp	Physics Letters B	2014	6.131
	collisions at root s=8 TeV in dilepton final states containing one tau			
358	lepton	PHYSICS LETTERS B	2014	6.131
330	Modification of jet shapes in PbPb collisions at root s(NN)=2.76	IISIOS ELTTERO	2014	5.131
359	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	1		
361	Search for baryon number violation in top-quark decays	Physics Letters B	2014	6.131
301	Search for excited quarks in the gamma plus jet final state in	Thysics Letters B	2014	0.131
362	proton-proton collisions at root s=8 TeV	Physics Letters B	2014	6.131
502	Search for pair production of third-generation scalar leptoquarks	T Hydrod Letters 5	2021	0.101
363	and top squarks in proton-proton collisions at v root s=8 TeV	PHYSICS LETTERS B	2014	6.131
	Search for supersymmetry in pp collisions at root s=8 TeV in events		_	
364	with a single lepton, large jet multiplicity, and multiple b jets	Physics Letters B	2014	6.131
	Search for top-squark pairs decaying into Higgs or Z bosons in pp	,		
365	collisions at root s=8 TeV	Physics Letters B	2014	6.131
	Searches for light- and heavy-flavour three-jet resonances in pp	,		
366	collisions at root s=8 TeV	Physics Letters B	2014	6.131
	Constraints on parton distribution functions and extraction of the			
	strong coupling constant from the inclusive jet cross section in pp	EUROPEAN PHYSICAL		
367	collisions at root s=7TeV	JOURNAL C	2015	5.084
	Constraints on the pMSSM, AMSB model and on other models			
	from the search for long-lived charged particles in proton-proton	EUROPEAN PHYSICAL		
368	collisions at root s=8TeV	JOURNAL C	2015	5.084
	Distributions of topological observables in inclusive three- and	EUROPEAN PHYSICAL		
369	four-jet events in pp collisions at root s=7 TeV	JOURNAL C	2015	5.084
	Measurement of electroweak production of two jets in association	EUROPEAN PHYSICAL		
370	with a Z boson in proton-proton collisions at root s=8 TeV	JOURNAL C	2015	5.084
	Measurement of the differential cross section for top quark pair	EUROPEAN PHYSICAL		
371	production in pp collisions at root s=8TeV	JOURNAL C	2015	5.084
	Measurement of the inclusive 3-jet production differential cross			
	section in proton-proton collisions at 7 TeV and determination of	EUROPEAN PHYSICAL		
372	the strong coupling constant in the TeV range	JOURNAL C	2015	5.084
	Measurements of differential and double-differential Drell-Yan	EUROPEAN PHYSICAL		
373	cross sections in proton-proton collisions at root s=8 TeV	JOURNAL C	2015	5.084
	Nuclear effects on the transverse momentum spectra of charged	EUROPEAN PHYSICAL		
374	particles in pPb collisions at root s(NN)=5.02 TeV	JOURNAL C	2015	5.084
	Precise determination of the mass of the Higgs boson and tests of			
275	compatibility of its couplings with the standard model predictions	EUROPEAN PHYSICAL	2045	F 004
375	using proton collisions at 7 and 8 TeV	JOURNAL C	2015	5.084
	Search for a standard model Higgs boson produced in association	FUR OREAN BUNGLON		
276	with a top-quark pair and decaying to bottom quarks using a matrix element method	EUROPEAN PHYSICAL	2015	F 004
376	Search for dark matter, extra dimensions, and unparticles in	JOURNAL C EUROPEAN PHYSICAL	2015	5.084
377	monojet events in proton-proton collisions at root s=8TeV	JOURNAL C	2015	5.084
3//	Search for decays of stopped long-lived particles produced in	EUROPEAN PHYSICAL	2013	3.064
378	proton-proton collisions at root s=8TeV	JOURNAL C	2015	5.084
370	Comparison of the Z/gamma* plus jets to gamma plus jets cross	JOURNAL OF HIGH ENERGY	2013	3.004
379	sections in pp collisions at root s=8 TeV	PHYSICS	2015	6.111
373	Measurement of the ratio of the production cross sections times	Titisies	2013	0.111
	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	JOURNAL OF HIGH ENERGY		
380	pi(+/-)) in pp collisions at root s=7 Tev	PHYSICS	2015	6.111
	Measurement of the underlying event activity using charged-	JOURNAL OF HIGH ENERGY		
381	particle jets in proton-proton collisions at root s=2.76 TeV	PHYSICS	2015	6.111
	Measurement of the W boson helicity in events with a single	JOURNAL OF HIGH ENERGY		
382	reconstructed top quark in p p collisions at root s=8 TeV	PHYSICS	2015	6.111
	Measurement of the Z gamma production cross section in pp			
	collisions at 8 TeV and search for anomalous triple gauge boson	JOURNAL OF HIGH ENERGY		
383	couplings	PHYSICS	2015	6.111
		JOURNAL OF HIGH ENERGY		
384	Search for a charged Higgs boson in pp collisions at root s=8 TeV	PHYSICS	2015	6.111
	Search for a Higgs boson in the mass range from 145 to 1000 GeV	JOURNAL OF HIGH ENERGY		
385	decaying to a pair of W or Z bosons	PHYSICS	2015	6.111
	Search for disappearing tracks in proton-proton collisions at root	JOURNAL OF HIGH ENERGY		
386	s=8 TeV	PHYSICS	2015	6.111
	Search for neutral color-octet weak-triplet scalar particles in	JOURNAL OF HIGH ENERGY		
387	proton-proton collisions at root s=8TeV	PHYSICS	2015	6.111
	Search for neutral MSSM Higgs bosons decaying into a pair of	JOURNAL OF HIGH ENERGY		
388	bottom quarks	PHYSICS	2015	6.111

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200	Search for physics beyond the standard model in dilepton mass	JOURNAL OF HIGH ENERGY	2015	C 111
389	spectra in proton-proton collisions at root s=8 TeV	PHYSICS	2015	6.111
	Search for physics beyond the standard model in events with two	IOUDNIAL OF HIGH ENERGY		
390	leptons, jets, and missing transverse momentum in pp collisions at	JOURNAL OF HIGH ENERGY PHYSICS	2015	6 111
390	root s=8 TeV		2015	6.111
201	Search for supersymmetry in the vector-boson fusion topology in	JOURNAL OF HIGH ENERGY	2015	C 111
391	proton-proton collisions at root s=8TeV	PHYSICS	2015	6.111
	Search for the production of dark matter in association with top-	IOURNAL OF HIGH ENERGY		
202	quark pairs in the single-lepton final state in proton-proton	JOURNAL OF HIGH ENERGY	2015	C 111
392	collisions at root s=8 TeV	PHYSICS JOURNAL OF HIGH ENERGY	2015	6.111
202	Search for third-generation scalar leptoquarks in the t tau channel		2015	C 111
393	in proton-proton collisions at root s=8 TeV	PHYSICS	2015	6.111
204	Search for vector-like T quarks decaying to top quarks and Higgs	JOURNAL OF HIGH ENERGY	2015	C 111
394	bosons in the all-hadronic channel using jet substructure	PHYSICS	2015	6.111
205	Searches for supersymmetry using the M-T2 variable in hadronic	JOURNAL OF HIGH ENERGY	2015	C 111
395	events produced in pp collisions at 8 TeV	PHYSICS	2015	6.111
206	Searches for third-generation squark production in fully hadronic	JOURNAL OF HIGH ENERGY	2045	C 111
396	final states in proton-proton collisions at root s=8 TeV	PHYSICS	2015	6.111
207	Study of Z production in PbPb and pp collisions at root s(NN)=2.76	JOURNAL OF HIGH ENERGY	2015	
397	TeV in the dimuon and dielectron decay channels	PHYSICS	2015	6.111
200	Performance of electron reconstruction and selection with the	JOURNAL OF	2015	4 200
398	CMS detector in proton-proton collisions at root s=8 TeV	INSTRUMENTATION	2015	1.399
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399	CMS detector in proton-proton collisions at root s=8TeV	INSTRUMENTATION	2015	1.399
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400	reconstruction in pp data at root s=8 TeV	INSTRUMENTATION	2015	1.399
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401	combined analysis of CMS and LHCb data	NATURE	2015	41.456
	Constraints on the spin-parity and anomalous HVV couplings of the			
402	Higgs boson in proton collisions at 7 and 8 TeV	PHYSICAL REVIEW D	2015	4.643
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403	charged leptons	PHYSICAL REVIEW D	2015	4.643
	Measurement of diffractive dissociation cross sections in pp			
404	collisions at root s=7 TeV	PHYSICAL REVIEW D	2015	4.643
	Measurements of jet multiplicity and differential production cross			
	sections of Z plus jets events in proton-proton collisions at root s=7			
405	TeV	PHYSICAL REVIEW D	2015	4.643
	Production of leading charged particles and leading charged-			
	particle jets at small transverse momenta in pp collisions at root			
406	s=8 TeV	PHYSICAL REVIEW D	2015	4.643
	Search for long-lived neutral particles decaying to quark-antiquark			
407	pairs in proton-proton collisions at root s=8 TeV	PHYSICAL REVIEW D	2015	4.643
	Search for physics beyond the standard model in final states with a			
	lepton and missing transverse energy in proton-proton collisions at			
408	root s = 8 TeV	PHYSICAL REVIEW D	2015	4.643
	Search for resonances and quantum black holes using dijet mass			
409	spectra in proton-proton collisions at root s=8 TeV	PHYSICAL REVIEW D	2015	4.643
	Search for supersymmetry using razor variables in events with b-			
410	tagged jets in pp collisions at root s=8 TeV	PHYSICAL REVIEW D	2015	4.643
	Search for supersymmetry with photons in pp collisions at root s=8			
411	TeV	PHYSICAL REVIEW D	2015	4.643
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412	vector boson fusion and decaying to b(b)over-bar	PHYSICAL REVIEW D	2015	4.643
	Study of final-state radiation in decays of Z bosons produced in pp			
413	collisions at 7 TeV	PHYSICAL REVIEW D	2015	4.643
	Combined Measurement of the Higgs Boson Mass in pp Collisions		1 .	
414	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
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416	Sections in pp Collisions at root s=7 TeV	PHYSICAL REVIEW LETTERS	2015	7.512
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417	and a Muon with Large Impact Parameters	PHYSICAL REVIEW LETTERS	2015	7.512
	Search for Monotop Signatures in Proton-Proton Collisions at root			
418	s=8 TeV	PHYSICAL REVIEW LETTERS	2015	7.512

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	Study of Vector Boson Scattering and Search for New Physics in			
419	Events with Two Same-Sign Leptons and Two Jets	PHYSICAL REVIEW LETTERS	2015	7.512
	Angular coefficients of Z bosons produced in pp collisions at root			
	S=8 TeV and decaying to mu(+)mu(-) as a function of transverse			
420	momentum and rapidity	PHYSICS LETTERS B	2015	6.131
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421	s=7 TeV	PHYSICS LETTERS B	2015	6.131
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422	charged particles in pPb and PbPb collisions at LHC energies	PHYSICS LETTERS B	2015	6.131
	Measurement of the cross section ratio sigma(t(t)over-			
	barb(b)over-bar)/sigma(t(t)over-barjj) in pp collisions at root s=8	51.0/61.06 1.5 7.5 556.5	2045	6.404
423	TeV	PHYSICS LETTERS B	2015	6.131
	Measurement of the pp -> ZZ production cross section and			
	constraints on anomalous triple gauge couplings in four-lepton			
424	final states at root s=8 TeV	PHYSICS LETTERS B	2015	6.131
	Measurement of the production cross section ratio sigma(chi			
425	b2(1P))/sigma(chi b1(1P)) in pp collisions at root s=8TeV	PHYSICS LETTERS B	2015	6.131
	Measurement of the Z boson differential cross section in			
	transverse momentum and rapidity in proton-proton collisions at 8			
426	TeV	PHYSICS LETTERS B	2015	6.131
	Measurements of the Upsilon(1S), Upsilon(2S), and Upsilon(3S)			
427	differential cross sections in pp collisions at root s=7 TeV	PHYSICS LETTERS B	2015	6.131
	Pseudorapidity distribution of charged hadrons in proton-proton			
428	collisions at root s=13TeV	PHYSICS LETTERS B	2015	6.131
	Search for a pseudoscalar boson decaying into a Z boson and the			
429	125 GeV Higgs boson in I(+)I(-)b(b)over-bar final states	PHYSICS LETTERS B	2015	6.131
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430	and e(+)e(-) decay channels at the LHC	PHYSICS LETTERS B	2015	6.131
	Search for diphoton resonances in the mass range from 150 to 850			
431	GeV in pp collisions at root s=8 TeV	PHYSICS LETTERS B	2015	6.131
	Search for heavy Majorana neutrinos in mu(+/-)mu(+/-) + jets			
432	events inproton-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
	Search for narrow high-mass resonances in proton-proton			
434	collisions at root s=8 TeV decaying to a Z and a Higgs boson	PHYSICS LETTERS B	2015	6.131
	Search for new resonances decaying via WZ to leptons in proton-			
435	proton collisions at root s=8 TeV	PHYSICS LETTERS B	2015	6.131
	Search for pair-produced resonances decaying to jet pairs in			
436	proton-proton collisions at root s=8 TeV	PHYSICS LETTERS B	2015	6.131
	Search for quark contact interactions and extra spatial dimensions			
	using dijet angular distributions in proton-proton collisions at root			
437	s=8 TeV	PHYSICS LETTERS B	2015	6.131
	Search for resonant pair production of Higgs bosons decaying to			
	two bottom quark-antiquark pairs in proton-proton collisions at			
438	8TeV	PHYSICS LETTERS B	2015	6.131
	Search for stealth supersymmetry in events with jets, either			
	photons or leptons, and low missing transverse momentum in pp			
439	collisions at 8 TeV	PHYSICS LETTERS B	2015	6.131
	Searches for supersymmetry based on events with b jets and four			
440	W bosons in pp collisions at 8 TeV	PHYSICS LETTERS B	2015	6.131
	Study of W boson production in pPb collisions at root(NN)-N-			
441	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