

5th School on LHC Physics - 2016

Report of Contributions

Contribution ID: 1

Type: **not specified**

School Inauguration

Monday, 15 August 2016 09:00 (50 minutes)

Contribution ID: 2

Type: **not specified**

Introduction to Large Hadron Collider (LHC)

Monday, 15 August 2016 09:50 (50 minutes)

Presenter: HOORANI, Hafeez (National Centre for Physics (PK))

Track Classification: Introduction to Large Hadron Collider (LHC) and Compact Muon Solenoid (CMS) Experiment

Contribution ID: 3

Type: **not specified**

Introduction to CMS Experiment

Presenter: CAMPORESI, Tiziano (CERN)

Contribution ID: 4

Type: **not specified**

Introduction to Standard Model of Particle Physics - I

Monday, 15 August 2016 14:00 (50 minutes)

Electromagnetic and weak interactions

Presenter: ASLAM, Jamil (Quaid-e-Azam University, Islamabad)

Track Classification: Electromagnetic and weak interactions

Contribution ID: 5

Type: **not specified**

Cross Section Measurement of Single Top Quark Using CMS data at the LHC

Wednesday, 17 August 2016 09:00 (50 minutes)

Presenter: REZAEI HOSSEINABADI, Ferdos (Institute for Research in Fundamental Sciences (IR))

Contribution ID: 6

Type: **not specified**

Introduction to Standard Model Physics - 2

Presenter: Dr ASLAM, Jamil

Contribution ID: 7

Type: **not specified**

Introduction to CMS Calorimetry System - I

Wednesday, 17 August 2016 14:00 (50 minutes)

Presenter: PARAMATTI, Riccardo (INFN - Rome I)

Contribution ID: 8

Type: **not specified**

Higgs Boson and Beyond - 1

Presenter: ELLIS, Jonathan R. (University of London (GB))

Contribution ID: 9

Type: **not specified**

Symmetries in Particle Physics - I

Presenter: HOORANI, Hafeez (National Centre for Physics (PK))

Contribution ID: **10**

Type: **not specified**

Introduction to CMS Calorimetry System - II

Thursday, 18 August 2016 09:00 (50 minutes)

Presenter: PARAMATTI, Riccardo (INFN - Rome I)

Contribution ID: **11**

Type: **not specified**

Introduction to CMS Calorimetry System - III

Thursday, 18 August 2016 11:10 (50 minutes)

Presenter: PARAMATTI, Riccardo (INFN - Rome I)

Contribution ID: 12

Type: **not specified**

Introduction to Standard Model Physics - II

Tuesday, 16 August 2016 09:00 (50 minutes)

Presenter: ASLAM, Jamil (Quaid-e-Azam University, Islamabad)

Contribution ID: 13

Type: **not specified**

Introduction to CMS Calorimetry System - III

Presenter: Dr ASLAM, Jamil (Quaid-e-Azam University, Islamabad)

Contribution ID: 14

Type: **not specified**

Symmetries in Particle Physics - I

Presenter: HOORANI, Hafeez (National Centre for Physics (PK))

Contribution ID: 15

Type: **not specified**

Introduction to Experimental Particle Physics - III

Tuesday, 16 August 2016 14:50 (50 minutes)

Presenter: AHMAD, Ashfaq (National Centre for Physics (PK))

Contribution ID: 16

Type: **not specified**

Evolution of Physics and Its Impact on Society

Monday, 15 August 2016 11:10 (50 minutes)

Presenter: FAYYAZUDDIN (National Centre for Physics, Islamabad)

Contribution ID: 17

Type: **not specified**

Quantum Chromodynamics (QCD) - I

Friday, 19 August 2016 12:00 (50 minutes)

Presenter: BILAL MASOOD (Centre for High Energy Physics, Punjab University, Lahore)

Contribution ID: **18**

Type: **not specified**

Top Quark Physics and Collider Phenomenology

Wednesday, 17 August 2016 09:50 (50 minutes)

Presenter: KHATIBI, Sara (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Contribution ID: 19

Type: **not specified**

Introduction to Standard Model of Particle Physics - IV

Wednesday, 17 August 2016 11:10 (50 minutes)

Presenter: JAMIL ASLAM

Contribution ID: 20

Type: **not specified**

Quantum Chromodynamics (QCD) - IV

Thursday, 18 August 2016 09:50 (50 minutes)

Presenter: FAISAL AKRAM (Centre for High Energy Physics, Punjab University, Lahore)

Contribution ID: 21

Type: **not specified**

ALICE Detector at LHC

Tuesday, 16 August 2016 11:10 (50 minutes)

Presenter: BASHIR BUTT, Jamila (COMSATS Institute of Information Technology (PK))

Contribution ID: 22

Type: **not specified**

Introduction to Experimental Particle Physics - II

Tuesday, 16 August 2016 14:00 (50 minutes)

Presenter: AHMAD, Ashfaq (National Centre for Physics (PK))

Contribution ID: 23

Type: **not specified**

Lab - 1 (Linux)

Monday, 15 August 2016 14:50 (50 minutes)

Presenter: SHARJEEL (NCP, Islamabad)

Contribution ID: 24

Type: **not specified**

Lab - 2 (Linux and vi editor)

Tuesday, 16 August 2016 16:10 (50 minutes)

Presenter: SHARJEEL (NCP, Islamabad)

Contribution ID: 25

Type: **not specified**

Introduction to Experimental Particle Physics - III

Presenter: AHMAD, Ashfaq (National Centre for Physics (PK))

Contribution ID: 26

Type: **not specified**

Ttbar Measuremnts at CMS Detector - I

Tuesday, 16 August 2016 09:50 (50 minutes)

Presenter: NASERI, Mohsen (Institute for Research in Fundamental Sciences (IR))

Contribution ID: 27

Type: **not specified**

Introduction to Standard Model of Particle Physics - III

Tuesday, 16 August 2016 12:00 (50 minutes)

Presenter: JAMIL ASLAM (Quaid-i-Azam University, Islamabad)

Contribution ID: 28

Type: **not specified**

Introduction to Experimental Particle Physics - I

Monday, 15 August 2016 12:00 (50 minutes)

Presenter: AHMAD, Ashfaq (National Centre for Physics (PK))

Contribution ID: 29

Type: **not specified**

Introduction to Standard Model of Particle Physics - III

Presenter: Mr JAMIL ASLAM (Quaid-i-Azam University, Islamabad)

Contribution ID: **30**

Type: **not specified**

Introduction to Standard Model of Particle Physics - V

Wednesday, 17 August 2016 14:50 (50 minutes)

Presenter: JAMIL ASLAM

Contribution ID: 31

Type: **not specified**

Introduction to Standard Model of Particle Physics - IV

Thursday, 18 August 2016 12:00 (50 minutes)

Presenter: JAMIL ASLAM (Quaid-i-Azam University, Islamabad)

Contribution ID: 32

Type: **not specified**

Ttbar Measuremnts at CMS Detector - II

Friday, 19 August 2016 09:00 (50 minutes)

Presenter: NASERI, Mohsen (Institute for Research in Fundamental Sciences (IR))

Contribution ID: 33

Type: **not specified**

Jet/MET Identification and Reconstruction at CMS Detector

Thursday, 18 August 2016 14:00 (50 minutes)

Presenter: AZZURRI, Paolo (Universita di Pisa & INFN (IT))

Contribution ID: **34**

Type: **not specified**

Intrduction to Higgs and Beyond - I

Thursday, 18 August 2016 14:50 (50 minutes)

Presenter: ELLIS, Jonathan R. (University of London (GB))

Contribution ID: 35

Type: **not specified**

Intrduction to Higgs and Beyond - II

Friday, 19 August 2016 14:50 (50 minutes)

Presenter: ELLIS, Jonathan R. (University of London (GB))

Contribution ID: **36**

Type: **not specified**

Introduction to CMS Calorimetry System - IV

Friday, 19 August 2016 09:50 (50 minutes)

Presenter: PARAMATTI, Riccardo (INFN - Rome I)

Contribution ID: 37

Type: **not specified**

Single Top Measurement at CMS Detector - I

Presenter: REZAEI HOSSEINABADI, Ferdos (Institute for Research in Fundamental Sciences (IR))

Contribution ID: **38**

Type: **not specified**

Single Top Measurement at CMS Detector - II

Monday, 22 August 2016 09:50 (50 minutes)

Presenter: REZAEI HOSSEINABADI, Ferdos (Institute for Research in Fundamental Sciences (IR))

Contribution ID: 39

Type: **not specified**

Introduction to Supersymmetry - II

Presenter: BABAR QURESHI (LUMS, Lahore)

Contribution ID: 40

Type: **not specified**

Introduction to Supersymmetry - I

Monday, 22 August 2016 12:00 (50 minutes)

Presenter: BABAR QURESHI (LUMS, Lahore)

Contribution ID: 41

Type: **not specified**

Monte Carlo Simulations

Tuesday, 23 August 2016 11:10 (50 minutes)

Presenter: YASIN, Zafar (PINSTECH, Islamabad)

Contribution ID: 42

Type: **not specified**

Single Top Physics

Friday, 19 August 2016 11:10 (50 minutes)

Presenter: REZAEI HOSSEINABADI, Ferdos (Institute for Research in Fundamental Sciences (IR))

Contribution ID: 43

Type: **not specified**

Searches of new physics with boosted objects

Monday, 22 August 2016 09:00 (50 minutes)

Presenter: KHALIL, Sadia (The University of Kansas (US))

Contribution ID: 44

Type: **not specified**

Phenomonology of Top Quark - I

Monday, 22 August 2016 11:10 (50 minutes)

Presenter: KHATIBI, Sara (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Contribution ID: 45

Type: **not specified**

Introduction to Top Quark Physics - I

Monday, 22 August 2016 14:00 (50 minutes)

Presenter: MULLER, Thomas (KIT - Karlsruhe Institute of Technology (DE))

Contribution ID: 46

Type: **not specified**

Introduction to Top Quark Physics - II

Tuesday, 23 August 2016 14:00 (50 minutes)

Presenter: MULLER, Thomas (KIT - Karlsruhe Institute of Technology (DE))

Contribution ID: 47

Type: **not specified**

Beyond Standard Model

Monday, 22 August 2016 14:50 (50 minutes)

Presenter: DE ROECK, Albert (CERN)

Contribution ID: 48

Type: **not specified**

Status of SUSY Searches at the LHC

Tuesday, 23 August 2016 12:00 (50 minutes)

Presenter: DE ROECK, Albert (CERN)

Contribution ID: 49

Type: **not specified**

Status of Dark Matter Searches at LHC

Tuesday, 23 August 2016 14:50 (50 minutes)

Presenter: DE ROECK, Albert (CERN)

Contribution ID: 50

Type: **not specified**

Zafar Yasin

Presenter: ZAFAR YASEEN

Contribution ID: 51

Type: **not specified**

Shakeel Ahmad

Presenter: SHAKEEL AHMAD

Contribution ID: 52

Type: **not specified**

Phenomonology of Top Quark - II

Presenter: KHATIBI, Sara (School of Particles and Accelerator Inst. for Res. in Fundam. S)

Contribution ID: 53

Type: **not specified**

SUSY

Wednesday, 24 August 2016 09:00 (1h 40m)

Presenter: KHALID, Rizwan

Contribution ID: 54

Type: **not specified**

Cloud Computing

Wednesday, 24 August 2016 11:10 (50 minutes)

Presenter: AHMAD, Shakeel

Contribution ID: 55

Type: **not specified**

ROOT - I (Intro, Basics and Functions)

Wednesday, 24 August 2016 12:00 (50 minutes)

Presenter: SADDIQUE, Asif (National Centre for Physics (PK))

Contribution ID: 56

Type: **not specified**

ROOT - II (Histogram Operations)

Wednesday, 24 August 2016 14:00 (1h 40m)

Presenter: SADDIQUE, Asif (National Centre for Physics (PK))

Contribution ID: 57

Type: **not specified**

CMSSW - II

Presenters: AHMAD, Muhammad (National Centre for Physics (PK)); KHURSHID, Taimoor (National Centre for Physics (PK))

Contribution ID: 58

Type: **not specified**

CMSSW - I

Presenters: AHMAD, Muhammad (National Centre for Physics (PK)); KHURSHID, Taimoor (National Centre for Physics (PK))

Contribution ID: 59

Type: **not specified**

ROOT - III (ROOT Tree, Useful Tool for Data Analysis)

Thursday, 25 August 2016 09:00 (50 minutes)

Presenter: SADDIQUE, Asif (National Centre for Physics (PK))

Contribution ID: **60**

Type: **not specified**

ROOT Practice Session

Thursday, 25 August 2016 09:50 (50 minutes)

Presenter: SADDIQUE, Asif (National Centre for Physics (PK))

Contribution ID: **61**

Type: **not specified**

CMSSW - I

Thursday, 25 August 2016 11:10 (50 minutes)

Presenters: AHMAD, Muhammad (National Centre for Physics (PK)); KHURSHID, Taimoor (National Centre for Physics (PK))

Contribution ID: **62**

Type: **not specified**

CMSSW - III

Thursday, 25 August 2016 14:30 (50 minutes)

Presenters: AHMAD, Muhammad (National Centre for Physics (PK)); KHURSHID, Taimoor (National Centre for Physics (PK))

Contribution ID: **63**

Type: **not specified**

CMSSW - II

Thursday, 25 August 2016 12:00 (50 minutes)

Presenters: AHMAD, Muhammad (National Centre for Physics (PK)); KHURSHID, Taimoor (National Centre for Physics (PK))

Contribution ID: **64**

Type: **not specified**

CMSSW - IV

Thursday, 25 August 2016 15:20 (1h 40m)

Presenters: AHMAD, Muhammad (National Centre for Physics (PK)); KHURSHID, Taimoor (National Centre for Physics (PK))

Contribution ID: 65

Type: **not specified**

Lab - 2 (Linux)

Monday, 15 August 2016 16:10 (50 minutes)

Presenter: SHARJEEL

Contribution ID: 66

Type: **not specified**

Quantum Field Theory

Wednesday, 17 August 2016 12:00 (50 minutes)

Presenter: AYUB FARIDI

Contribution ID: 67

Type: **not specified**

Quantum Chromodynamics (QCD) - IV

Friday, 19 August 2016 14:00 (50 minutes)

Presenter: FAISAL AKRAM

Contribution ID: **68**

Type: **not specified**

Introduction to C++ (I)

Monday, 22 August 2016 16:10 (50 minutes)

Presenter: KHURSHID, Taimoor (National Centre for Physics (PK))

Contribution ID: 69

Type: **not specified**

Introduction to C++ (II)

Tuesday, 23 August 2016 16:10 (50 minutes)

Presenter: KHURSHID, Taimoor (National Centre for Physics (PK))

Contribution ID: 70

Type: **not specified**

Micro Black Hole Searches using CMS Run II Data

Tuesday, 23 August 2016 09:00 (1h 40m)

Presenter: SADDIQUE, Asif (National Centre for Physics (PK))