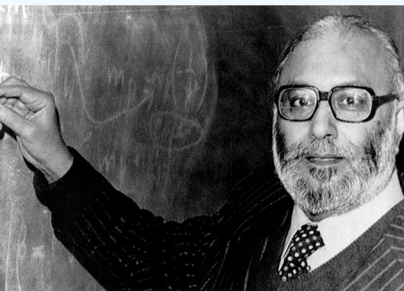




3rd ANNOUNCEMENT SCHOOL ON THE LHC PHYSICS

08 - 19, October 2012

National Centre for Physics, Islamabad



Large Hadron Collider (LHC) has performed very well and beyond expectations. LHC has delivered 5 fb^{-1} of data in 2011, which is much more than the expected value of 1 fb^{-1} in 2011. Today LHC is running at higher energy and at higher luminosity than ever achieved in history. The current goal of LHC is to achieve 15 fb^{-1} or more data in 2012.

Experimental High Energy Physics Group (EHEP) of National Centre for Physics is organizing the Third School on Large Hadron Collider (LHC) Physics. This will provide young scientists an opportunity to understand the tools required to carry out research in the field of EHEP. The school will cover the Physics and data analysis techniques related to the CMS detector. At the end, certificates of participation will be awarded to the participants.

Participants

Students of M.Sc, MS, M.Phil, Ph.D and Scientist of Academic and R&D organizations can apply. A total of 50 participants will be invited from all over the country to attend this school.

Topics to be Covered

1. Standard Model of Particle Physics
2. Introduction to LHC Project
3. Introduction to CMS Detector
4. Data Analysis Tools
 - a. Linux, C++
 - b. Event Generator, Pythia
 - c. CMSSW
 - d. Python
 - e. Root
5. Grid Computing

Invited Speakers

John Ellis
Rolf Heuer
Jeo Incandela
Gigi Rolandi
Roberto Tenchini

Organizers

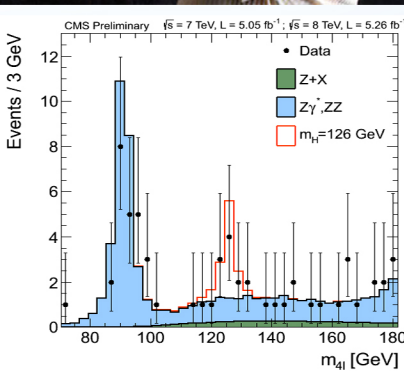
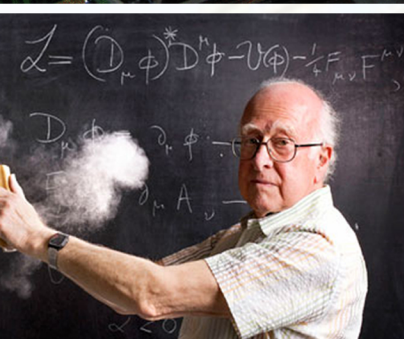
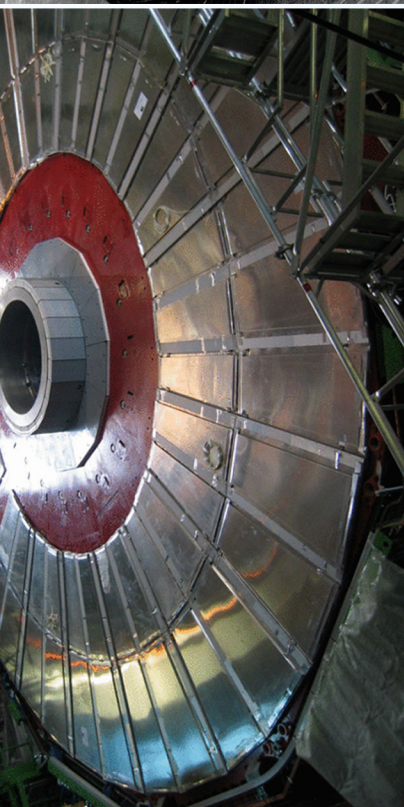
Ashfaq Ahmad
Muhammad Ahmad
Muhammad Irfan Asghar
Muhammad Athar Shah
Jamila Bashir Butt
Shamona Fawad
Muhammad Gul
Qamar-ul-Hassan
Wajid Ali Khan
Izhar Sagheer

Chair of The School

Roberto Tenchini
Univeristy of Pisa, Italy
Email: roberto.techini@cern.ch

Hafeez R. Hoorani
National Centre for Physics
Email: hafeez.hoorani@ncp.edu.pk

Registration Deadline
10 September 2012



Contact Person

Muhammad Irfan Asghar
Contact: 051-2077300 (ext 488)
Email: irfan.asghar@ncp.edu.pk
lhc-school@ncp.edu.pk

Registration Form

Registration forms are available at NCP website
www.ncp.edu.pk/third-school-lhc-physics.php

