



# ANNOUNCEMENT

## SECOND SCHOOL ON THE LHC PHYSICS

April 25th - May 4th 2011

National Centre for Physics, Islamabad



Experimental High Energy Physics Group of National Centre for Physics is organizing the Second School on Large Hadron Collider (LHC) Physics. The main objective of this school is to prepare a group of trained young scientists who will analyze the data generated at LHC using CMS (Compact Muon Solenoid) detector. This will provide them an opportunity to carry out research in the field of Experimental High Energy Physics. The school will cover the Physics and data analysis techniques related to the CMS detector. At the end of the school, 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 all over the country to attend this school.

### Topics to be Covered

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

### Contact Person

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### Speakers

Riazuddin  
Hafeez Hoorani  
Shamona Fawad  
Muhammad Irfan Asghar  
Taimoor Khurshid  
Muhammad Ahmad  
Wajid Ali Khan

### Organizers

Shamona Fawad  
Muhammad Asif  
Wajid Ali Khan  
Muhammad Ahmed  
Taimoor Khurshid  
Muhammad Irfan Asghar

### Registration Form

Registration Form Available at NCP website  
<http://www.ncp.edu.pk/sslpl.htm>

### Registration Deadline

**20 March, 2011**

