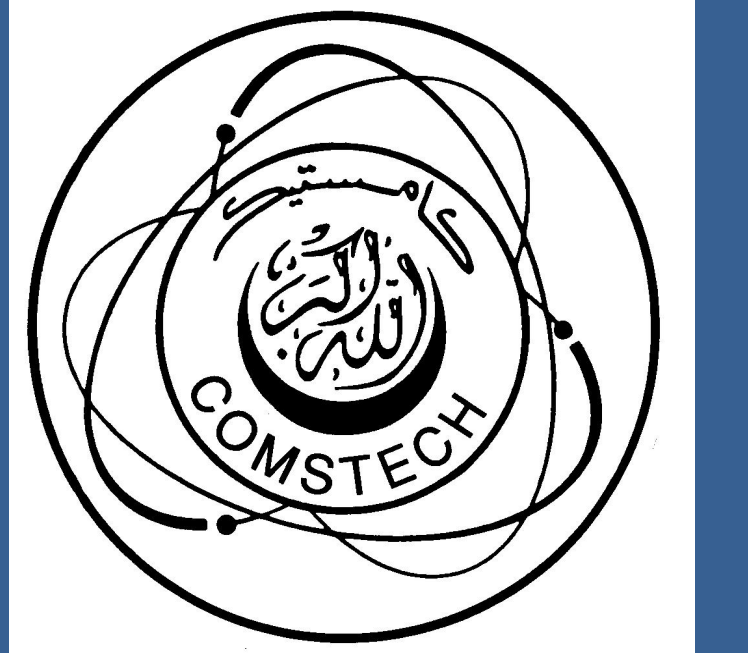




7th School on LHC Physics

(August 06-17, 2018)

National Centre for Physics (NCP), Islamabad



The Large Hadron Collider (LHC) at CERN, Switzerland, is the world's largest man-made particle accelerator to probe the Standard Model (SM) of particle physics and beyond. The main theme of the school is to focus on the physics analysis doable with 100 fb^{-1} integrated luminosity at 13TeV which will be available by the end of 2018. The school will provide opportunity to young scientists, graduate students to learn about the techniques and tools needed to extract exciting physics results from proton-proton collision data at the LHC.

Topics

SM of Particle Physics and Beyond
Top Quark, Higgs and EWK Physics
Supersymmetry
Extra Dimensions and Exotic Particles
QCD and Monte Carlo Generators
Detectors in HEP
Object Identification and Reconstruction
Trigger and Data Acquisition
Statistical Tools in HEP
Future Colliders
Hands on Exercises of LHC data

Directors

Hafeez. R. Hoorani (NCP, Pakistan)
Ashfaq Ahmad (NCP, Pakistan)

Advisory Committee

Thomas Muller (KIT, Germany)
Ian Shipsey (Oxford, UK)
Marilena Loverde (Stony Brook, USA)
Bilal Masood (CHEP, Pakistan)
Rachid Mazini (AS, Taiwan)
Rizwan Khalid (NUST, Pakistan)
Mansoor ur Rehman (QAU, Pakistan)

Participation

Graduate/Undergraduate students and young researchers from universities and research organizations, who are new to the field of particle physics or intend to work in the field are encouraged to apply. For all participants, boarding, lodging and partial travel support will be provided by the school.

Local Organizers

Muhammad Irfan Asghar
Muhammad Ahmad
Imran Malik Awan
Muhammad Shoab
Abdul Hamid
Naveed Imran



Registration Fee

For local participants: **2000 PKR**
For foreign participants: **25 USD**

Application Deadline

For local participants: **June 20, 2018**
For foreign participants: **June 15, 2018**

How to Apply

For online application, follow the link:
<http://www.ncp.edu.pk/slp-2018.php>



Contact Information:

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