

12th School on LHC Physics

August 21 - September 01, 2023

Organized by

National Center for Physics (NCP), Islamabad, Pakistan



Topics Covered

- Standard Model of Particle Physics and Beyond
- Top Quark, Higgs and Electroweak Physics
- Super Symmetry (SUSY) Searches
- Dark Matter (DM) and Long Lived Particles (LLP) Searches
- Statistical Techniques in High Energy Physics (HEP)
- Data Science and Machine Learning in HEP
- Monte Carlo Generators in High Energy Physics
- Physics Objects, Trigger and Data Acquisition
- Particle Detector and Future Technologies
- Future Colliders

Directors

Mansoor H. Inayat (NCP, Pakistan)
Ishaq Ahmad (NCP, Pakistan)
Ashfaq Ahmad (NCP, Pakistan)

Speakers

Roberto Tenchini (Pisa, Italy)
Roger Barlow (UoH, UK)
Albert De Roeck (CERN, Switzerland)
Jonathan R. Ellis (UoL, UK)
Markus Klute (KIT, Germany)
Abdel Nasser Tawfik (ECTP, Egypt)
Norrathat Srimanobhas (CoU, Thailand)
Henning Kirschenmann (Helsinki, Finland)
Bilal Masood (CHEP, Pakistan)
Ashfaq Ahmad (NCP, Pakistan)
Juliette Alimena (DESY, Germany)
Faisal Akram (CHEP, Pakistan)
Mansoor-ur-Rehman (QAU, Pakistan)
Jamil Aslam (QAU, Pakistan)
Federica Maria Simone (INFN, Bari)
Yahya Tayalati (UoM, Morocco)
Wajid Ali Khan (NCP, Pakistan)

Advisory Committee

Roger Barlow (UoM, UK)
Thomas Müller (KIT, Germany)
Albert De Roeck (CERN, Switzerland)
Roberto Tecihini (Pisa, Italy)
Jonathan R. Ellis (UoL, London)
Duccio Abbaneo (CERN, Switzerland)
Andrea Venturi (Pisa, Italy)

Technical Coordinator

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Local Organizers

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Waqar Ahmed (NCP, Pakistan)
Rabia Rasheed (NCP, Pakistan)

Participation

The School will be of the interest to graduate / post-graduate students, early career post-doctoral researchers, faculty members and research scientists, who are working / intend to work in the field of particle physics. By the start of the School, the applicant must have completed at least 2-4 years of full-time studies at the university level. The registration fee is Rs. 3000 for local students and Rs. 4000/- for out-stationed students and for employees the fee is Rs. 6000. The online application form is available at the School website <http://www.ncp.edu.pk/slp-2023.php>. The School registration last date is July 01, 2023.

For further queries, please contact

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