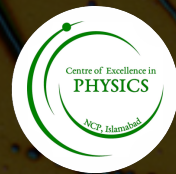




Advances in Theoretical High Energy Physics



January 26-30, 2026

Organized by

Centre of Excellence (CoE) Physics

National Centre for Physics, Islamabad

The Theoretical Physics Directorate (TPD) at the National Centre for Physics (NCP), Islamabad is pleased to announce the international school on **Advances in Theoretical High Energy Physics**, scheduled from **January 26–30, 2026**. The School will feature a focused series of lectures by leading international theorists, covering topics at the frontier of high energy theory. Through in-depth lectures by leading international experts, participants will engage with the theoretical frameworks that underpin our understanding of nature at its most fundamental level. The school will be focused on the following critical areas in high energy theory:

- Physics of the Standard Model and Beyond
- Quantum Chromodynamics (QCD)
- Quark-Gluon Plasma and Heavy Ion Collisions
- Effective Field Theories
- Flavor Physics and Rare Decays
- General Relativity and Cosmology

Participation

The School is open to advanced undergraduate and graduate students, early postdoctoral researchers, and faculty members with an interest in theoretical high energy physics. Applicants must have completed at least three years of full-time university education by the start of the School.

Registration Fee

- Rs. 2000/- (Local students)
- Rs. 4000/- (Out-stationed students)
- Rs. 5,000/- (Faculty / Researchers)

Online application form available at:

<http://www.ncp.edu.pk/athep-2026.php>

For further queries, please contact

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Directors

Ahmed Ali (DESY, Germany)
Qaisar Ahsan (NCP, Pakistan)
M. Aftab Rafiq (NCP, Pakistan)
Mohsin Siddiq (NCP, Pakistan)

Key Speakers

- Ahmed Ali (DESY, Germany)
- Luciano Maiani (Roma)
- Urs Wiedemann (CERN, Switzerland)
- Talat S. Rahman (UCF, USA)
- Viqar Husain (UNB, Canada)
- Alexander Parkhomenko (Yaroslav Uni., Russia)
- Adnan Bashir (Universidad de Huelva, Spain)
- Asghar Qadir (PAS, Pakistan)
- Aidos Issadykov (JINR, Russia)
- Aleksandra Chukhnova (Moscow State University, Russia)
- Li-Sheng Geng (Beihang University, China)

Advisory Committee

Ahmed Ali (DESY, Germany)
Peter Arnold (UVA, USA)
Urs Wiedemann (CERN, Switzerland)
Ashfaq Ahmed (NCP, Pakistan)
Asghar Qadir (PAS, Pakistan)
Jamil Aslam (QAU, Pakistan)
Zafar Yasin (PAEC, Pakistan)

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Shahin Iqbal (NCP)

Local organizers

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Zeeshan Ahmad (NCP)

Application Deadline

5th January, 2025