

## IWTD-HEP 2019

October 14 – 18

National Centre for Physics

Islamabad - Pakistan



# 3<sup>rd</sup> International Workshop on Tracking Detectors in High Energy Physics

### Directors

Hafeez Hoorani (NCP, Pakistan)

Ashfaq Ahmad (NCP, Pakistan)

### International Advisory Committee

Dmitri Tsybychev (Stony Brook, USA)

Alan Honma (CERN, Switzerland)

Andrea Venturi (INFN, Italy)

### Local Organizers

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The Large Hadron Collider (LHC) at CERN, is the largest particle accelerator in the world to probe the fundamental questions about the nature. The particle detectors which are part of the LHC experiments play a key role to achieve the physics objectives. This workshop will cover the current R&D progress and performance of tracking detectors being used in high energy physics experiments and other applications.

### Topics

Semiconductor Detectors: Physics and Principle  
Tracking Detectors at LHC and their performance  
CMS Phase-2 Tracker Upgrade Project by 2023  
CMS Tracker Mechanics  
Silicon Strip and Pixel Detectors  
Gas Electron Multiplier Detectors  
Resistive Plate Chambers

### Participation

Graduate/Undergraduate students, researchers from universities and R&D organizations are encouraged to apply. For all participants, boarding lodging and partial travel support will be provided.

### Registration Fee

Local participants: 1000 PKR

Foreign participants: 25 USD

### Apply online

<http://www.ncp.edu.pk/iwtd-2019.php>

### Application Deadline

Local Participants: September 15, 2019

Foreign Participants: July 20, 2019