

**Session Program**

**2-6 Feb 2026**

**TIPP 2026**

***Parallel Session-IV***

TIFR, Mumbai

Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Colaba, Mumbai 400005,  
India

## Monday 2 February

14:00

### Parallel Session-IV: at AG80

Session |

Location: TIFR, Mumbai, Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Colaba, Mumbai  
 Co-organizers: JAIN, Shilpi

14:00-14:15

**Drift tube detectors in RNC "Kurchatov institute" - IHEP for accelerator-based particles physics, monitoring the fluxes of cosmic ray particles, cosmic ray muon tomography**

**Speaker**

Dr FAKHRUTDINOV, RinatMakarim

14:15-14:30

**Proportional counter development with vacuum manifolds recycling legacy iron tubes for the GRAPES-3 expansion**

**Speaker**

Dr NAYAK, Pranaba K

14:30-14:45

**Development of Time Projection Chamber for low energy Nuclear Physics experiments**

**Speakers**

Mr DAS, Pralay Kumar, MAJUMDAR, Nayana

14:45-15:00

**Preliminary Design of ePIC's G-RWELL Endcap Tracker and Development of its First Engineering Test Article**

**Speaker**

GRAMIGNA, Stefano

15:00-15:15

**Performance Studies of Gaseous Detectors for Heavy-Ion Experiments**

**Speaker**

Mr MANDAL, S.

15:15-15:30

**Muon momentum spectrum near equator and tuning of hadronic models**

**Speaker**

Dr S, PETHURAJ

15:30-15:45

**Technical challenges and performance of the new ATLAS LAr Calorimeter Trigger**

**Speaker**

POZZI, Ruben

16:00

16:30

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**Co-organizers:** SAMUEL, Deepak

16:30–16:45

### **Commissioning and Testing of Station-1 and Station-2 MuCh-GEM Modules with High-Intensity Beams at the mini-CBM Experiment at GSI**

**Speaker**

Mr GHOSH, Chandrasekhar

16:45–17:00

### **Investigation of India-made Thick-GEM for Application in Muon Scattering Tomography**

**Speaker**

GHOSH, saikat

17:00–17:15

### **ATLAS Muon Detectors Upgrades for High Luminosity LHC**

**Speaker**

WANOTAYAROJ, Chaowaroj

17:15–17:30

### **Control System and Data Quality Monitoring of the Belle II KLM Detector**

**Speaker**

Dr BABU, Varghese

17:30–17:45

### **The $\mu$ -RWELL technology in the IDEA Muon System for FCC-ee**

**Speaker**

FARINELLI, Riccardo

18:00

## Tuesday 3 February

14:00

### Parallel Session-IV: at D406

**Session** |

**Location:** TIFR, Mumbai, Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Colaba, Mumbai  
**Co-venue:** BARAF, Mandar

14:00–14:15

#### Analysis of radiation effects in trigger front-end electronics with impedance spectroscopy

**Speaker**

Dr CASOLARO, Pierluigi

14:15–14:30

#### Development and validation of trigger primitive generation algorithms of High Granularity Calorimeter of CMS

**Speaker**

DAS, Indranil

14:30–14:45

#### A FPGA-based L1 trigger system design for STCF

**Speaker**

HUANG, Yuhe

14:45–15:00

#### Triggering on Muon Detector Showers with CMS

**Speaker**

FERNANDEZ MANTECA, Pedro

15:00–15:15

#### Development of an SiPM-based camera for a 4 m class Atmospheric Cherenkov Telescope

**Speaker**

DUHAN, Sandeep

15:15–15:30

#### Commissioning and Calibration of SiPM-based 4m cherenkov telescope

**Speaker**

Dr SINGH, Bharat

15:30–15:45

#### Construction and Testing of Resistive Plate Chambers with Optical Readout

**Speaker**

BILKI, Burak

16:00

# Thursday 5 February

14:00

## Parallel Session-IV: at AG80

### Session |

**Location:** TIFR, Mumbai, Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Colaba, Mumbai

**Co-ordinator:** ATIL, Mandakini Ravindra

14:00-14:15

### Ultrasonic welding technology for future Straw Trackers

#### Speaker

ENIK, Temur

14:15-14:30

### Development of scintillation beam counters and compact neutron detectors with picosecond time resolution for BM@N experiment

#### Speaker

ROGOV, Victor

14:30-14:45

### The ATLAS High-Granularity Timing Detector for the HL-LHC: project status and results

#### Speaker

CADAMURO, Luca

14:45-15:00

### LIGHT01: A prototype LGAD pixel readout ASIC with ps timing resolution in 28 nm technology

#### Speaker

GHIMOUZ, Abderrahmane

15:00-15:15

### PICOSEC Micromegas gaseous detectors for precise timing and developments towards applicable detector

#### Speaker

LISOWSKA, Marta

15:15-15:30

### Characterisation of the First Silicon Electron Multiplier Demonstrators

#### Speaker

DE BENEDETTI, Federico

15:30-15:45

### HGCROC3: Radiation-Hard Front-End ASIC for the CMS HGCAL

#### Speaker

Mr THIENPONT, Damien

15:45-16:00

### Timing results of a 3D silicon sensor readout by Timepix4

#### Speaker

CHATZIANAGNOSTOU, Evridki

16:00

16:30

18:00

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