

## **Session Program**

**2-6 Feb 2026**

## **TIPP 2026**

### ***Parallel Session-I***

TIFR, Mumbai

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

# Monday 2 February

14:00

## Parallel Session-I: at HBA

### Session |

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

14:00-14:15

### wireless power transmission for silicon detector

#### Speaker

BENHAMMOU, Yan

14:15-14:30

### The Spin Physics Detector (SPD) at NICA

#### Speaker

KORZENEV, Alexander

14:30-14:45

### The Crilin electromagnetic calorimeter: a fast, highly granular detector for a future Muon Collider

#### Speaker

CICCARELLA, Vittoria Ludovica

14:45-15:00

### Low-Power Modular UV Detector with SiPMs and ASIC/FPGA Readout for Space-Based Observatories

#### Speaker

SCOTTI, Valentina

15:00-15:15

### R&D toward a next-generation heavy-ion experiment at LHC (ALICE 3)

#### Speaker

STRAZZI, Sofia

15:15-15:30

### High Granularity Scintillator Tiles for the High Luminosity Upgrade of the CMS Endcap Calorimeter

#### Speaker

SELIVANOVA, Daria

15:30-15:45

### Water Cherenkov Test Experiment at CERN: Preliminary Results from a New Generation of multi-PMT Modules

#### Speaker

GOLA, Mohit

15:45-16:00

### A new large-area Micromegas detector and its ToRA-based readout electronics for AMBER experiment at CERN

#### Speaker

ALICE, Chiara

16:00

16:30

**Parallel Session-I: at HBA**

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**Co-organiser:** MAJUMDAR, Nayana

16:30-16:45

**Water-based Liquid Scintillator in ANNIE****Speaker**

Mr GOEHLKE, Noah

16:45-17:00

**Towards detection of Breit-Wheeler tunneling positrons in E320 at the FACET-II accelerator****Speaker**

SANTRA, Arka

17:00-17:15

**Construction and QA/QC of Large-Size GEM Modules for Muon Chamber Station 1 in CBM****Speaker**

Mr RATH, Rajeshranjan

17:15-17:30

**Development of the PBR Cherenkov Camera: A High-Resolution SiPM Instrument for Space Astroparticle Observatories****Speaker**

SCOTTI, Valentina

17:30-17:45

**New Ideas on Linear Collider Detector Technologies & Sustainability Studies for Future Colliders****Speakers**

Dr TITOV, Maksym, TITOV, Maxim

17:45-18:00

**Knypaegje: An Algorithm for Achieving Deterministic Startup Phase in GTYe4 and GTYe5 Transceivers****Speaker**

LEGUIJT, Melvin

18:00

## Tuesday 3 February

14:00

### Parallel Session-I: at HBA

#### Session |

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

**Co-ordinator:** GHATTERJEE, Rajdeep

14:00-14:15

#### Test of 1 cm<sup>3</sup> scintillator cubes with pion beam

##### Speaker

CHVIROVA, Angelina

14:15-14:30

#### DRD8 - Common tools for next generation detectors

##### Speaker

SCHMIDT, Burkhard

14:30-14:45

#### ADVANCING SCINTILLATION-BASED DARK MATTER DETECTION WITH SiPM READOUT IN NaI CRYSTALS

##### Speaker

BHARAT, Swadheen

14:45-15:00

#### The OREO Calorimeter status and prospect

##### Speaker

FEDELI, Pierluigi

15:00-15:15

#### Performance of 3D segmented neutrino detector SuperFGD in the T2K neutrino beam

##### Speaker

KUDENKO, Yury

15:15-15:30

#### R&D on supercritical CO<sub>2</sub> and krypton as natural refrigerants for the thermal management of future detectors and electronics

##### Speaker

VERLAAT, Bart

15:30-15:45

#### TPC Development by the LCTPC Collaboration for the ILD Detector at ILC

##### Speakers

Dr TITOV, Maksym, TITOV, Maxim

16:00

# Thursday 5 February

14:00

## Parallel Session-I: at HBA

### Session |

**Location:** TIFR, Mumbai, Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Colaba, Mumbai  
**Co-Organizers:** SCHMIDT, Burkhard

14:00–14:15

### Fast, Compact Readout of $\text{PbWO}_4$ crystals with SiPM arrays for Future Collider Calorimeters

#### Speaker

SYKOROVA, Silvia

14:15–14:30

### Innovative Back-Side Illuminated SiPMs (BSI-SiPMs): first results from the IBIS project

#### Speaker

RIGNANESE, Luigi Pio

14:30–14:45

### Performance of the Timepix3 Detector Network in ATLAS for Luminosity Measurement during 2025 Van der Meer Scans

#### Speaker

LESMESS RAMIREZ, Catalina

14:45–15:00

### How to synchronize clocks to a sub-picoesecond level in large-scale detectors and systems.

#### Speaker

SARADHY, Rohith

15:00–15:15

### A System-On-chip based High Resolution Time-to-digital converter in Artix-7 FPGA

#### Speaker

Dr KOLLA, Hari Prasad

15:15–15:30

### Upgrade of the Belle II Vertex Detector with depleted monolithic CMOS active pixel sensors

#### Speaker

Dr PRASAD, Vindhyaasini

15:30–15:45

### The RD50-MPW4: a radiation hard HV-CMOS sensor for future colliders

#### Speaker

SONNEVELD, Jory

15:45–16:00

### Microchannel Cooling Substrates

#### Speaker

VERLAAT, Bart

16:00

16:30

**Parallel Session-I: at HBA****Session** |**Location:** TIFR, Mumbai, Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Colaba, Mumbai  
**Co-Chair:** RAO, Prakash

16:30–16:45

**Power-over-Fiber Development for DUNE Vertical Drift Photon Detection System****Speaker**

Dr BEHERA, Biswaranjan

16:45–17:00

**Performance of a highly compact and granular electromagnetic calorimeter prototype in a testbeam experiment****Speaker**

BENHAMMOU, Yan

17:00–17:15

**Optical readout of MicroPattern Gaseous Detectors for beam monitoring****Speaker**

BRUNBAUER, Florian Maximilian

17:15–17:30

**Beam monitor system for the Water Cherenkov Test Experiment at CERN****Speakers**

KONAKA, Akira, KONAKA, Akira

17:30–17:45

**Novel Fragment Separators at CERN-ISOLDE: the ISRS and ISLS projects****Speaker**

Prof. MARTEL, Ismael

17:45–18:00

**Toward a Beamline-Ready Optical TPC for Neutron-Induced Reactions at SARAF-II****Speaker**

Dr FELKAI, Ryan

18:00