Session Program

2–6 Feb 2026

TIPP 2026

Parallel Session-V

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

Monday 2 February

14:00

Parallel Session-V: at D406

Session |

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

Conveners: PATIL, Mandakini Ravindra

14:00–14:15 **Electronics of the Fast Forward Detector in MPD experiment**

Speaker
ROGOV, Victor

14:15–14:30
Design and development of a 32 Channel Waveform Digitiser Board based on DRS4 for the Cosmic Muon Veto Detector

Speaker
SARAF, Mandar

14:30–14:45
Development and Characterisation of a Plastic Scintillator-based Compact Test and Trigger System with SiPM Readout and Custom Electronics

Speaker
Mr CHATTOPADHYAY, Prajjalak

14:45–15:00
The MDT Trigger Processor prototype for the ATLAS Level-0 Muon Trigger at HL-LHC

Speaker
GKOUNTOUMIS, Panagiotis

15:00–15:15
RAM-based Coincidence Window Optimization for Real-Time Muon Reconstruction in HL-LHC ATLAS L0 Muon Trigger

Speaker
NAKAGAWA, Tetsuro

15:15–15:30
FPGA-based Emulator Platform Targeting ATLAS Phase-2 ITk DAQ System Development

Speaker
DRESCHER, Matthias Peter

16:00

16:30

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Conveners: SARAF, Mandar

16:30–16:45
Upgrade of the Front-End Electronics of the RPC Detector Stack at TIFR

Speaker
SHINDE, Ravindra Raghunath

16:45–17:00

Data Acquisition System of the TPC/MPD Detector for the NICA Project

Speaker

Mr VERESHCHAGIN, Stepan

17:00–17:15

An FPGA based readout system for sub-nanosecond beam background characterization

Speaker

EISELE, Florian

17:15–17:30

Development and Testing of an External and Self-Triggering System for HGCAL Beam and Cassette Tests

Speaker

SHUKLA, Raghunandan

17:30–17:45

Scintillator Counters and PMT Read-out Electronics for the HEPD-02 Calorimeter on the CSES-02 Satellite: Design and Performance

Speaker

MESE, Marco

17:45–18:00

From Polling to Proactive Push: An Event-Driven Architecture for Real-Time Data Acquisition

Speakers

Mr DESHMUKH, Prajwal, KADAM, Rohan, Mr KHADPE, Saiesh

18:00

Thursday 5 February

14:00

Parallel Session-V: at D406

Session |
Location: TIFR, Mumbai, Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Colaba, Mumbai 400005, India
Convener: CUSHMAN, Priscilla

14:00–14:15
Development and performance of the dRICH SiPM-based photodetector for the ePIC experiment at the EIC

Speaker
PREGHENELLA, Roberto

14:15–14:30 **DarkSide-20k SiPM Photodetectors – Production and Characterisation**

Speaker
BHOWMICK, Pritindra

14:30–14:45
LiquidO: A New Paradigm of Particle Imaging & Detection in Opaqueness

Speaker
Dr CABRERA, Anatael

14:45–15:00
The SABRE South Experiment at the Stawell Underground Physics Laboratory

Speaker
SHARRY

15:00–15:15 **mPMT electronics and DAQ system in WCTE operation**

Speaker
NUREK, Michal Jan

15:15–15:30
Study of the radiation aging of SiPMs with using of beam of the fast neutrons at BINP SB RAS

Speaker
BOBROVNIKOV, Viktor

15:30–15:45
The upgrade of the CMS Electromagnetic Calorimeter for the High Luminosity LHC

Speaker
RUSACK, Roger

16:00

16:30

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Convener: SANTRA, Arka

16:30–16:45
The first results on square position-sensitive MCP PMT produced in Russia

Speaker
RUSETSKY, Vadim

16:45–17:00
Calibration, timing and energy performance studies of LYSO crystals using ~KeV energy photons

Speaker
KARMAKAR, Anindita

17:00–17:15 **Development of PMT/WLS optical modules for Cherenkov detectors**

Speaker
EROFEEV, Gleb

17:15–17:30
HRPPD photodetectors - ageing studies and detector response as a function of rate

Speaker
AGARWALA, Jinky

17:30–17:45
Development of An In-Situ Magnetron Sputtering Plasma Monitoring Setup

Speaker
BILKI, Burak

18:00