

**Session Program**

23-25 Feb 2026

**National Conference on Advanced  
Instrumentation for Nuclear Physics, High-  
Energy Physics, and Medical Imaging**

***Plenary***

Aryabhata Bhavan Department of Physics, Central University of South Bihar

# Monday 23 February

11:00

**Plenary: Prof. Archana Sharma****Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar

11:30

11:30

**Plenary: Jagiellonian Positron Emission Tomograph: a versatile detection system for multidisciplinary research in Physics and Medicine****Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar |**Convener:** Prof. Sushil Sharma

12:00

12:00

**Plenary: Detector Developments across DAE Laboratories****Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar |**Convener:** Prof. Tilak Ghose

12:30

12:30

**Plenary: Advanced Detector Systems for Reactor based Neutrino Experiments****Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar |**Convener:** Prof. Vishwajeet Jha

13:00

13:00

**Plenary: FAIR in Germany and Indian participation Saiket Biwas****Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar |**Convener:** Prof. Saiket Biwas

13:30

## Tuesday 24 February

09:00

### Plenary: Operational Evaluation and Electrical Modeling of Proportional Counters

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar |  
**Convener:** K. Ramesh

09:30

09:30

### Plenary

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar |  
**Convener:** Prof. Jyotsna Singh

10:00

10:00

### Plenary: CBM Muon Chamber System

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar |  
**Convener:** Prof. Anand Kumar Dubey

10:30

10:30

### Plenary: X-Ray imaging detectors for Laser-plasma based sources

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar |  
**Convener:** Prof. B. Satyanarayana

11:00

11:30

### Plenary: Active-Target Time Projection Chamber & Its Application

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar |  
**Convener:** Prof. Nayana Majumdar

12:00

12:00

### Plenary

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar |  
**Convener:** Prof. Ajay Kumar Tyagi

12:30

12:30

### Plenary: Detector Development activities for Nuclear Physics at IUAC

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar |  
**Convener:** Prof. Akhil Jhingan

13:00

13:00

### Plenary: CMS Phase 2 Tracker Upgrade for HL-LHC

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar |  
**Convener:** Prolay Kumar Mal

13:30

## Wednesday 25 February

09:00

### Plenary: VLSI in Modern Precision Energy and Time Measurement Instrumentation for Nuclear and High-Energy Physics

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar | **Convener:** Dr Hari Prasad Kolla

09:30

09:30

### Plenary: Prof. Manoj Kumar Sharma

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar

10:00

10:00

### Plenary: Muography: Imaging with cosmic-ray muons

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar | **Convener:** Dr RaveendraBabu Karnam

10:30

11:00

### Plenary: Muon imaging of thunderstorm and solar-induced effects with the GRAPES-3 muon telescope

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar | **Convener:** Dr Hari Haran Balakrishnan

11:30

11:30

### Plenary: From Pixels to Vertices: CMOS MAPS for Precision Tracking in Modern and Future Experiments.

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar | **Convener:** Dr Ajit Kumar

12:00

12:00

### Plenary: Prof. Avijit Kumar Ganguly

**Session** | **Location:** Swami Vivekanad Lecture Hall (on the 2nd floor),, Central University of South Bihar

12:30