

## Selected Contributory Talks (15+5 Mins)

Shubham Barua (IIT Hyderabad)

**Title: Cosmological Constraints on Neutrino Masses in a Second-Order CPL Dark Energy Model**

AJEET SINGHAL (IIT ISM DHANBAD)

**Title: Constraining Primordial Black Holes through Primordial Magnetic Fields and Cosmological Observables.**

Rahul Dhyani (Siv Nadar Univ)

**Title: Tensions in Cosmology**

Rahul Shah. (ISI, Kolkata)

**Title: AI/ML Techniques for Model-Independent Cosmological Analysis**

Sonej Alam (JMI)

**Title: Beyond CPL: Evidence for Dynamical Dark Energy in Three-Parameter Models**

Umang Kumar (Ashoka Univ)

**Title: Extending Warm Inflationary Dynamics to Late-Time Acceleration**

Shibendu Gupta Choudhury. (JMI)

**Title: A Logistic Universe: An Uncharted Framework for Cosmic Expansion**

Saptarshi Sarkar (NCRA-TIFR, Pune)

**Title: ANN-Based Emulators for Efficient Inference of Reionization Parameters**

Vivekanand Mohapatra (NIT,Meghalaya)

**Title: Cosmological constraint on Interacting Dark Energy and Viscous Dark Matter using DESI**

Drishti Sharma (JMI)

**Title: Exploring the Impact of Systematic Bias in Type Ia Supernova Cosmology Across Diverse Dark Energy Parametrizations**

Pankaj Chavan (BITS-Pilani)

**Semi-cosmographic reconstruction of complete cosmological evolution in phase space using BAO+RSD observations**

Gautam Das (IIT Kanpur)

**Title: Matter power spectrum at early epochs using LPT re-expansion**

Aroonkumar Beesham (Univ. Of Zululand)

**Title: Dark energy with two scalar fields**