

02.01.25

Cosmology (Chairs: Rajeev Kumar Jain and Debaprasad Maity)
New Academic Building (NAB), Room - 6156

Sr.	Name	Affiliation	Time	Talk's title
1	L. Sriramkumar	IIT Madras	2.00 PM - 2.15 PM	Constraining the history of reheating with the NANOGrav 15-year data
2	Ashu Kushwah	IISC, Bangalore	2.15 PM – 2.25 PM	TBA
3	Bihag Dave	Ahmedabad University, Gujarat	2.25 PM – 2.35 PM	Self-interactions of ultralight dark matter to the rescue?
4	Niharika Shrivastava	IISER Bhopal	2.35 PM – 2.45 PM	Search for MeV gamma-ray emission from TeV bright red dwarfs with COMPTEL
5	Sourav Das	IUCAA, Pune	2.45 PM – 2.55 PM	Testing the Etherington distance-duality relation using Supernovae and BAO observations
6	Purba Mukherjee	CTP JMI, New Delhi	2.55 PM – 3.05 PM	Probing the Late Universe: A Data-Driven Approach
7	Shibendu Gupta Choudhury	CTP JMI, New Delhi	3.05 PM – 3.15 PM	Scale Factor Parametrisation: Modified Gravity vs. Dark Energy.
8	Saee Mahesh Dhawalikar	IUCAA, Pune	3.15 PM – 3.25 PM	Towards unbiased recovery of cosmic filament properties: the role of spine curvature and optimized smoothing
9	Gaurav Pundir	IISER Pune	3.25 PM – 3.35 PM	A Gaussian Process Regression emulator to predict the large-scale neutral hydrogen distribution during Epoch of Reionization

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Sr.	Name	Affiliation	Time	Talk's title
1	SOURAV SUR	University of Delhi	2.30 PM – 2.45 PM	A Unified Cosmological Dark Sector from a Bose-Einstein Condensate
2	V. Sreenath	NITK Surathkal	2.45 PM - 2.55 PM	Machine Learning CMB Cold Spot
3	Joseph P. J.	IISER Mohali	2.55 PM – 3.05 PM	Kernel dependence of the Gaussian Process reconstruction of late Universe expansion history
4	Kwanit Gangopadhyay	IISER Pune	3.05 PM – 3.15 PM	Geometric Interpretations of k-Nearest Neighbour Distributions
5	Sonej Alam	JMI, New Delhi	3.15 PM – 3.25 PM	TBA
6	SAYANTAN GHOSH	BITS Pilani (Hyderabad)	3.25 PM – 3.35 PM	Dynamical system analysis of general scalar field cosmology and background in general symmetric teleparallel gravity.
7	Goraksh Sandeep Kolge	IISER Pune	3.35 PM – 3.45 PM	Understanding the connection between globular clusters and their host galaxy properties
8	DIBYENDU PANIGRAHI	Netaji Nagar Day College, Kolkata	3.45 PM – 3.55 PM	An alternative approach to the Chaplygin gas model in higher dimensional space-time