



Aspects of Cosmology

Half-a-day meeting @ IIT Madras

Friday, December 23, 2022

Venue: HSB 210

Schedule

Time	Speaker	Title
09:00-09:30	Fabio Finelli	The gravity of the trouble with H_0 and its possible origin
09:30-09:50	Suvashis Maity	Scalar-tensor-tensor cross-correlation in ultra slow inflation
09:50-10:20	Will Kinney	Beginnings, endings, inflation, and cyclic cosmology
10:20-10:40	Debika Chowdhury	Response of the Einstein telescope to Doppler anisotropies
10:40-11:00	Coffee break	
11:00-11:20	Nilanjandev Bhaumik	Exploring the reheating history with gravitational wave background and primordial black holes (Online)
11:20-11:50	Shiv Sethi	21 cm cosmology: Prospects and challenges
11:50-12:10	H. V. Ragavendra	Observing nulls in primordial correlations via the 21 cm signal (Online)
12:10-12:30	Sagarika Tripathy	Magnetogenesis in inflationary models leading to features: Challenges and possible resolutions
12:30-12:50	P. Jishnu Sai	Non-Gaussian imprints of inflationary gauge fields
12:50-13:10	Debabrata Adak	Observing CMB through foreground fog



Speakers and affiliations

1. Debabrata Adak, The Institute of Mathematical Sciences, Chennai
 2. Nilanjandev Bhaumik, Department of Physics, Indian Institute of Science, Bengaluru
 3. Debika Chowdhury, Department of Physics, Swansea University, Swansea, UK
 4. Fabio Finelli, INAF/OAS Bologna, Italy and INFN, Sezione di Bologna, Italy
 5. Will Kinney, Department of Physics, University at Buffalo, SUNY, New York, USA
 6. Suvashis Maity, Centre for Strings, Gravitation and Cosmology, Department of Physics, Indian Institute of Technology Madras, Chennai
 7. H. V. Ragavendra, Department of Physical Sciences, Indian Institute of Science Education and Research, Kolkata
 8. P. Jishnu Sai, Department of Physics, Indian Institute of Science, Bengaluru
 9. Shiv Sethi, Raman Research Institute, Bengaluru
 10. Sagarika Tripathy, Centre for Strings, Gravitation and Cosmology, Department of Physics, Indian Institute of Technology Madras, Chennai
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