

Offline Parallel Session Schedule (Cosmology@CCSP_1)

S.No.	Parallal Session	Session Chair	DATE & Venue	Time	Name	Title of the Presentation
1	Classical Gravity I	S. Shankaranarayanan	17-10-2022 (Block- A, 106)	2:00PM - 2:12PM	Jitender Kumar	Rotating black holes inspired by LQG
	Classical Gravity I			2:12PM - 2:24PM	Naeem Ahmad Pundeer	Spacetime Admitting Semiconformal Curvature Tensor in $f(R)$ Gravity
	Classical Gravity I			2:24PM - 2:36PM	Sourav Mridha	Foundation of Black Hole Accretion Disk Theory
	Classical Gravity I			2:36PM - 2:48PM	Savatan Ghosh	GUP Corrected Casimir Wormholes in Modified Symmetric Teleparallel Gravity.
	Classical Gravity I			2:48PM - 3:00PM	Margarita Safonova	Potential gravitational lensing on a CMB cosmic string candidate
2	Classical Gravity II	H. Nandan	18-10-2022 (Block- A, 106)	2:00PM - 2:20PM	Md. Mehedi Kalam	Review Talk: Wormhole and dark matter in Galatic halos
	Classical Gravity II			2:20PM - 2:32PM	Arvind Kumar Mishra	Effect of the curved geometry on neutrino pair annihilation energy deposition
	Classical Gravity II			2:32PM - 2:44PM	Grishma Verma	Birkhoff's Theorem in Scalar Field Theory
	Classical Gravity II			2:44PM - 2:56PM	Md Arshad Ayub Mudi	Compact stars in modified gravity.
3	DM & DE I	C.P. Singh	17-10-2022 (Block- A, 205)	3:30PM - 3:50PM	Bikash Ranjan Dinda	Review Talk: Dark energy in light of current observational data
	DM & DE I			3:50PM - 4:02PM	Ajay Bassi	Effects of tachyon dark energy on large scales
	DM & DE I			4:02PM - 4:14PM	Debasis Sahu	Expansion of the Universe and Evolution of Black Holes in Matter and Dark Energy Coupled Model
	DM & DE I			4:14PM - 4:26PM	Shah Parth Mukeshbhai	Study on cosmological dynamics of various $f(R)$ gravity models
	DM & DE I			4:26PM - 4:38PM	Manoranjan Dutta	Asymmetric Self-interacting Dark Matter via Dirac Leptogenesis
	DM & DE I			4:38PM - 4:50PM	Joseph P J	Interacting dark sector: mapping fields and fluids, and observational signatures
4	DM & DE II	M. Kumar	18-10-2022 (Block- A, 205)	3:30PM - 3:50PM	Imtiyaz Ahmad Bhat	Review Talk: Dark matter and $U(1)$ gauge models
	DM & DE II			3:50PM - 4:02PM	Vandana Sahdev	Explaining Dark Matter With Vector-Like Fermions
	DM & DE II			4:02PM - 4:14PM	Vinita Khatri	Bulk Viscous Cosmology With Decaying Vacuum Model
	DM & DE II			4:14PM - 4:26PM	Shahnawaz Aryan Adil	Late-time acceleration due to a generic modification of gravity and the Hubble tension
	DM & DE II			4:26PM - 4:38PM	Mohd Shahalam	Pre-inflationary Universe in Loop Quantum Cosmology
	DM & DE II			4:38PM - 4:50PM	Sanghati Saha	A reconstruction scheme for modified Chaplygin Gas with bounce scale factor in $f(T)$ gravity scenario and information theory based model validation
5	Primordial Cosmology I	R. Jain	17-10-2022 (Block- A, 205)	2:00PM - 2:20PM	Nur Jaman	Review Talk: Unification of Early and Late time Cosmology
	Primordial Cosmology I			2:20PM - 2:32PM	Khurshid Alam	Effects of Reheating on Moduli Stabilization
	Primordial Cosmology I			2:32PM - 2:44PM	Richa Anva	Probing the small-scale physics of warm inflation from primordial black holes
	Primordial Cosmology I			2:44PM - 2:56PM	Suhail Khan	Soft supersymmetry baryogenesis with primordial black holes
	Primordial Cosmology I			2:56PM - 3:08PM	Rita Rani	Modified Chaplygin Gas cosmology with Matter creation
	Primordial Cosmology I			3:08PM - 3:20PM	Sagarika Tripathy	Deviations from slow roll and implications for inflationary magnetogenesis
6	Primordial Cosmology II	A. Deshamukhya	18-10-2022 (Block- A, 205)	2:00PM - 2:20PM	H. V. Ragavendra	Review Talk: Primordial perturbations and their observational imprints across scales
	Primordial Cosmology II			2:20PM - 2:32PM	Biswajit Deb	Chaotic potential driven warm inflation in $f(R, T)$ gravity
	Primordial Cosmology II			2:32PM - 2:44PM	Sabina Yeasmin	Effect of dissipation in chromo-natural inflation: A study
	Primordial Cosmology II			2:44PM - 2:56PM	Jaydeb Das	Study of entropy production due to electroweak phase transition in the Z_2 symmetric extension of the Standard Model.
	Primordial Cosmology II			2:56PM - 3:08PM	Shaily	The constrained cosmological model in Lyra Geometry
7	Quantum Gravity I	Md. Wali Hossain	17-10-2022 (Block- A, 106)	3:30PM - 3:50PM	Md Sabir Ali	Review Talk: Vacuum polarization due to topological defects in cosmological de Sitter spacetime
	Quantum Gravity I			3:50PM - 4:02PM	Survakanta Swain	Evolution of the Universe in Loop Quantum Cosmology
	Quantum Gravity I			4:02PM - 4:14PM	Gaurav Katoch	Quantum Complexity characteristics of bulk gravitational singularities
	Quantum Gravity I			4:14PM - 4:26PM	Rikpratik Sen Gupta	On the viability of traversable wormholes in Randall-Sundrum II braneworld
	Quantum Gravity I			4:26PM - 4:38PM	Archit Vidyarthi	Ultraviolet Unitarity Violations in Higgs-Coupled Starobinsky Inflation
8	Quantum Gravity II	S. Singh	18-10-2022 (Block- A, 106)	3:30PM - 3:42PM	Abbas Tinwala	Quantum Stability of generalized Proca theories.
	Quantum Gravity II			3:42PM - 3:54PM	Nilesh Pandey	Circuit Complexity in Z_2 EFT.
	Quantum Gravity II			3:54PM - 4:06PM	Ashima Sood	Thermodynamic stability and P-V criticality of nonsingular-AdS black holes endowed with clouds of strings
	Quantum Gravity II			4:06PM - 4:18PM	Rakshit M. Gharat	Entanglement and Circuit complexity in interacting quenched systems
	Quantum Gravity II			4:18PM - 4:30PM	Dhruva Jyoti Gogoi	Quasinormal modes from GUP corrected Black Holes in Bumblebee Gravity with Topological Defects
Review Talk : 20' (17' + 3')						Parallel Talk: 12' (10' + 2')