

### Online Parallel Session Schedule (Cosmology@CCSP\_1)

Parallel Session	Chair	Date	Time	Name	Title of the Presentation
Aspects of Modern Cosmology 1	S. Sadhukhan	17.10.2022	2.00-2.12PM	Avdeev Nikita	Inflation in the scalar-tensor theory of gravity with a non minimal kinetic coupling
			2.12PM- 2.24PM	Ayanendu Dutta	Time Travel and the role of Closed Timelike Curves in particle motion within Axially symmetric space-times
			2.24PM- 2.36PM	Dhritimalya Roy	Particle motion around Traversable Wormhole in $f(Q, T)$ gravity: Possibility of Closed Timelike Geodesics
			2.36PM-2.48PM	Masum Murshid	Analytical model on mass limit of strange stars
			2.48PM-3.00PM	Vishva Patel	Distinguish the compact objects with or without horizon using observable properties.
			3.00PM-3.12PM	Akash Bose	Warm Inflation in Fractal Universe
			3.12PM-3.24PM	NASHIBA PARBIN	Bending Angle Of Light BY Slowly Rotating Black Hole in Chern-Simons Modified Gravity
			3.24PM-3.36PM	Akanksha Singh	The cosmological model in $f(R, T^\phi)$ gravity with Scalar Field conformity
Aspects of Modern Cosmology 2	M. A. Thomas	18.10.2022	2.12PM- 2.24PM	Mayukh Bandyopadhyay	Cosmological evolution of massive Neutron Stars: The impact of modified Chaplain gas in $f(T)$ gravity
			2.12PM- 2.24PM	Madhukrishna Chakraborty	Raychaudhuri Equation in inhomogeneous FLRW spacetime: A $f(R)$ gravity model.
			2.12PM- 2.24PM	Roshni Bhaumik	Classical and Quantum Cosmology in $F(T)$ Gravity Theory using Noether Symmetry Approach
			2.12PM- 2.24PM	Haridev S R	Revisiting vacuum energy in compact spacetimes
			2.12PM- 2.24PM	Saurabh	Investigation of deviation of General relativity in semi-analytic RIAF using EHT and ngEHT
			2.12PM- 2.24PM	Jyatsnasree Bora	Stability of compact stellar configurations in Palatini $f(R)$ gravity
			2.12PM- 2.24PM	Harshna Balhara	Chaplygin gas cosmological model in higher-order gravity
			2.12PM- 2.24PM	Debajit Bose	Impact of galactic distributions in celestial capture of dark matter

Parallel Talk: 12' (10' + 2')