

Talk Details

Date 3rd December, 2018 (Monday)

Time : 9:30-10:00 am

Registration

Time : 10:00-10:15 am

Inauguration

Time	Speaker	Title of Talk	Remark
10:15-11:00am	A.P. Balachandran	The turbulent vacuum	Invited Talk
Tea time		Chairperson (11:15-1:30pm) : TRG	
11:15-12:00	Sachin Vaidya	Yang-Mills matrix model	Invited Talk
12:00-12:45pm	Rudranil Basu	Supersymmetric Flat holography	Invited Talk
12:45-1:30pm	Subir Ghosh	Classical Time Crystal in the context of Cosmology	Invited Talk
Lunch time		Chairperson (2:45-4:15pm) : P Mitra	
2:45-3:30pm	V. Srinivasan	Understanding Color (de)confinement using Bulk-to-Nano phase transition	Invited Talk
3:30-4:15pm	Suvankar Dutta	Large N phases of Chern-Simon theory and Representation Of WZW models	Invited Talk
Tea time		Chairperson (4:40-5:30pm) : B Chakraborty	
4:40-4:50pm	Pinaki Patra	Revisit the concept of observer quantum cosmological models	Contributed
4:50-5:00pm	Shibendu G Chowdhary	The Role of Raychaudhuri equation in a self similar Scalar field Collapse	Contributed
5:00-5:10pm	Sourav Karar	Holographic complexity for Lifshitz system	Contributed
5:10-5:20pm	Avijit Chowdhary	Aspect of quasinorm modes of a charged spherical BH with scalar hair	Contributed
5:20-5:30pm	Praloy Das	Back reaction inhomogeneous in Cosmological parameter evolution via NC fluid	Contributed

Date 4th December, 2018 (Tuesday)

Time	Speaker	Title of Talk	Remark
		Chairperson (9:30-11:15am) : A P Bal.	
9:30-10:15am	Naresh K Dadhich	Gravity in Higher dimension and its equation	Invited talk
10:15-11:00am	Kumar S. Gupta	Exact dynamics for the entanglement entropy	Invited talk

Tea time		Chairperson (11:15-1:30pm) : S Vaidya	
11:15-12:00	Robert de Mello Koch	The planar Limit of emergent gauge theory	Invited talk
12:00-12:45pm	Partha Mitra	Faux anomalies in QCD with and without axions	Invited talk
12:45-1:30pm	Sudipta Sarkar	Holography, Second law and Higher curvature Gravity	Invited talk
Lunch time		Chairperson (2:45-4:15pm) : LA Ferreira	
2:45-3:30pm	Narayan Banerjee	Restoration of Unitarity in anisotropic quantum cosmological models	Invited talk
3:30-4:15pm	Parthasarathi Majumdar	Thermal stability Of quantum black holes	Invited talk
Tea time		Chairperson (4:40-5:30pm) : S G	
4:40-4:50pm	Pratik Ghosal	No of microstate of Hawking radiation and Branching ratio of a Black hole	Contributed
4:50-5:00pm	Debabrata Ghorai	Nonlinear effects on holographic superconductors	Contributed
5:00-5:10pm	Subhashish Chakraborty	The curious case of torsion	Contributed
5:10-5:20pm	Soumya Ghosh	Unitarity in scalar metric quantum cosmology	Contributed
5:20-5:30pm	Sayan K. Pal	Dissipation and Noncommutative	Contributed

Date 5th December, 2018 (Wednesday)

Time	Speaker	Title of Talk	Remark
		Chairperson (9:30-11:15am) : LF Alday	
9:30-10:15am	Andres Reyes Lega	The Sorkin-Johnson state coupling to Gravity and Casimir Energy	Invited talk
10:15-11:00am	Pijush K Ghosh	PT-symmetric systems : Integrability, symmetry and Related Aspects	Invited talk
Tea time		Chairperson (11:15-1:30pm) : PS Majumdar	
11:15-12:00	Amitabh Virmani	Aretakis Instability	Invited talk
12:00-12:45pm	Sourav Bhattacharya	Entanglement of fermionic vacua in hyperbolic de Sitter spacetime	Invited talk
12:45-1:30pm	Manu Mathur	Duality and disorder operators in lattice gauge theory	Invited talk
Lunch time		Chairperson (2:45-4:15pm) : V.Srinivasan	
2:45-3:30pm	Arnab Kundu	Strings, Branes, Schwarzsian and Maxima Chaos	Invited talk
3:30-4:15pm	Aninda Sinha	The Polyakov-Mellin bootstrap and critical exponents	Invited talk

Tea time		Chairperson (4:40-5:30pm) : M Mathur	
4:40-4:50pm	B C Paul	Emergent Universe via Wormhole	Contributed
4:50-5:00pm	Anirban Saha	Signature Of NC geon on resonant detectors of Gravitational waves	Contributed
5:00-5:10pm	Purba Mukherjee	Holographic dark energy	Contributed
5:10-5:20pm	Partha Nandi	New Super-Channdrasekhar limiting mass of whiite from nocommutativity	Contributed
5:20-5:30pm	Chiranjit Singha	An exact derivation of Hawking effect in Canonical Formulation	Contributed

Date 6th December, 2018 (Thursday)

Time	Speaker	Title of Talk	Remark
		Chairperson (9:30-11:15am) : NK Dadhich	
9:30-10:15am	T R Govindarajan	Should photon mass be zero?	Invited talk
10:15-11:00am	L A Ferreira	Hidden Symmetries	Invited talk
Tea time		Chairperson (11:15-1:30pm) : RdM Koch	
11:15-12:00	Luis Fernando Alday	Genus -One string amplitudes from CFT	Invited talk
12:00-12:45pm	Rabin Banerjee	Newtonian Gravity from galilean gauge theory	Invited talk
12:45-1:30pm	Sayan Kar	Towards realistic Lorentzian wormholes	Invited talk
Lunch time		Chairperson (2:45-4:15pm) : A Virmani	
2:45-3:30pm	Amit Ghosh	Hawking radiation-a revisit	Invited talk
3:30-4:15pm	Shibaji Roy	Non Supersymmetric D3-branes : Complexity and information metric	Invited talk
Tea time		Chairperson (4:40-5:30pm) : R Banerjee	
4:40-4:50pm	Vivek M Vyas	Self accelerating coherent states	Contributed
4:50-5:00pm	Suchetana Pal	NC effect on holographic superconductor with power Maxwell electrodynamics	Contributed
5:00-5:10pm	Sumanta Chakraborty	Boundry terms in gravitational action	Contributed
5:10-5:20pm	Sukanta Bhattacharya	Footprint of spatial noncommutativity in resonant detectors of gravitational wave	Contributed
5:20-5:30pm	Subhajit Barman	A consistent search of the Hawking effect for external Kerr BH(s)	Contributed

Date 7th December, 2018 (Friday)

Time	Speaker	Title of Talk	Remark
		Chairperson (9:30-11:15am) : A Lahiri	
9:30-10:15am	Prasanta K Panigrahi	A simulational model for witnessing Quantum effects of gravity using IBM quantum Computer	Invited talk
10:15-10:30am		Tea	
10:30-10:40am	Aranya Bhattacharya	HEE Subray Complexity and Fisher information metric of "black " nonsusy D3 brane	Contributed
10:40-10:50am	Vipul Kumer Pandey	Confermal to Hamiltonian gauge for Bosonic String	Contributed
10:50-11:00am	Abhijit Dutta	Constraining the Generalized Uncertainty Principle and Rainbow Gravity function from black hole	Contributed
11:00-11:10am	Sunil Kumar	Superfield approach to Nilpotency Absolute Antisymmetry of conserved charges	Contributed
11:10-11:20am	Bhupendra Chauhan	Anti-Chiral Superfluid approach to Interacting Abelian 1 -form Gauge Theory	Contributed
11:25 am		Vote of thanks	
1:00 pm		Lunch time	