

2ND WORKSHOP ON DYNAMICS OF QCD MATTER
07 - 09 October 2023
National Institute of Science Education and Research, Bhubaneswar

SCHEDULE OF TALKS

Day 1: 7 th October		
07:30 – 08:45		Breakfast (Auditorium Cafeteria)
08:45 – 09:00		Welcome Address
09:00 – 09:30	IT	Rishi Sharma
09:30 – 10:00	IT	Arpan Das
10:00 – 10:30	IT	Partha Pratim Bhaduri
10:30 – 11:00	IT	Lokesh Kumar
11:00 – 11:30		Tea (Library Third Floor Foyer)
11:30 – 12:00	IT	Jajati Kesari Nayak
12:00 – 12:20	CT	Sadaf Madni
12:20 – 12:40	CT	Pooja Khowal
12:40 – 13:00	CT	Deepak Kumar
13:00 – 14:30		Lunch (Auditorium Cafeteria)
14:30 – 14:50	CT	Sharang Rav Sharma
14:50 – 15:10	CT	Prottay Das
15:10 – 15:30	CT	Mahammad Sabir Ali
15:30 – 15:50	CT	Arun Kumar Yadav
15:50 – 16:20		Tea (Library Third Floor Foyer)
16:20 – 16:40	CT	Sukanya Mitra
16:40 – 17:00	CT	Tribhuban Parida
17:00 – 17:45	EL	Hiranmaya Mishra
19:30 – 22:00		Dinner (Auditorium Cafeteria)

Day2: 8 th October		
07:30 – 09:00		Breakfast (Auditorium Cafeteria)
09:00 – 09:30	IT	V Sreekanth
09:30 – 10:00	IT	Natasha Sharma
10:00 – 10:30	IT	Arghya Mukherjee
10:30 – 11:00	IT	Sabyasachi Ghosh
11:00 – 11:30		Tea (Library Third Floor Foyer)
11:30 – 12:00	IT	Rupa Chatterjee
12:00 – 12:20	CT	Aritra Das
12:20 – 12:40	CT	Sarthak Satapathy
12:40 – 13:00	CT	Aman Abhishek
13:00 – 14:30		Lunch (Auditorium Cafeteria)
14:30 – 14:50	CT	Ranjita Kumari Mohapatra
14:50 – 15:10	CT	Surasree Mazumder
15:10 – 15:30	CT	Partha Bagchi
15:30 – 15:50	CT	Utsab Gangopadhyaya
15:50 – 17:00		Tea (Library Third Floor Foyer)
Poster & Discussion Session (Central Library, 3 rd Floor Foyer)		
17:00 – 17:45	EL	V Ravindran
19:30 – 22:00		Special Dinner (Auditorium Cafeteria)

Day 3: 9 th October		
07:30 – 09:00		Breakfast (Auditorium Cafeteria)
09:00 – 09:30	IT	Sanjib Muhuri
09:30 – 10:00	IT	Trambak Bhattacharyya
10:00 – 10:30	IT	Chitrasen Jena
10:30 – 11:00	IT	Sushant Kumar Singh
11:00 – 11:30		Tea (Library Third Floor Foyer)
11:30 – 12:00	IT	Sidharth Kumar Prasad
12:00 – 12:20	CT	Ankit Kumar Panda
12:20 – 12:40	CT	Bhagyarathi Sahoo
12:40 – 13:00	CT	Prabhupada Dixit
13:00 – 14:30		Lunch (Auditorium Cafeteria)
14:30 – 14:50	CT	Lakshmi J Naik
14:50 – 15:10	CT	Debarshi Dey
15:10 – 15:30	CT	Sabiar Shaikh
15:30 – 15:50	CT	Sudeepan Datta
15:50 – 16:20		Tea (Library Third Floor Foyer)
16:20 – 16:40	CT	Deependra Singh Rawat
16:40 – 17:00	CT	Bhaskar Shukla
17:00 – 17:45	EL	Victor Riabov (online)
19:30 – 22:00		Dinner (Auditorium Cafeteria)

IT: Invited Talk **CT:** Contributory Talk **EL:** Evening Lecture

Talk titles on next page.

TITLES

	Speaker	Title of talk
Day-1 07-10-2023	Rishi Sharma	Energy hierarchies governing quarkonium dynamics in Heavy Ion Collisions
	Arpan Das	Theoretical aspects of the spin hydrodynamic frameworks
	Partha Pratim Bhaduri	Kinetic freeze-out conditions in low energy relativistic heavy-ion collisions
	Lokesh Kumar	Recent selected results from heavy ion experiments.
	Jajati Kesari Nayak	Freeze out dynamics of heavy ion collisions
	Sadaf Madni	Transport coefficients of QGP in the light of Gribov-Zwanziger prescription.
	Pooja Khawal	Anisotropic fluctuations of momentum and angular momentum of heavy quarks in evolving Glasma
	Deepak Kumar	Impact of nuclear saturation properties on the neutron star oscillation frequencies
	Sharang Rav Sharma	First-order event plane correlated directed and triangular flow from fixed-target energies at RHIC-STAR
	Prottay Das	Investigating Local Parity Violation in Strong Interactions at LHC Energies
	Mahammad Sabir Ali	Exploring the effect of the anomalous magnetic moment of quarks in the nonlocal NJL framework
	Arun Kumar Yadav	Eccentricity scaling of the elliptic flow of final state hadrons and thermalization in heavy ion collisions at RHIC and LHC
	Sukanya Mitra	Causality Criteria from Stability Analysis at Ultra-High Boost
	Tribhuban Parida	Estimating Baryon Diffusion Coefficient of Strongly Interacting Medium
Day-2 08-10-2023	Hiranmaya Mishra	Quark Hadron phase transition and oscillations of neutron stars
	V Sreekanth	Hyperon Bulk Viscosity & R-mode instability in Neutron Stars
	Natasha Sharma	Recent results on (anti-)nuclei production from ALICE at the LHC
	Arghya Mukherjee	Heavy Quark potential in anisotropic medium
	Sabyasachi Ghosh	Effect of Coriolis Force on Transport coefficients
	Rupa Chatterjee	Photons from collisions of α -clustered carbon with heavy nuclei at relativistic energies
	Aritra Das	Neutral pion mass in a warm magnetized medium within the linear sigma model coupled to quarks framework
	Sarthak Satapathy	Transport coefficients of a rotating, hot and dense QGP
	Aman Abhishek	Extending mean field HRG model to finite density
	Ranjita Kumari Mohapatra	Transportation in a hybrid model
	Surasree Mazumder	Dynamics of Heavy Quark in a hot and magnetic Quark Gluon Plasma
	Partha Bagchi	Quarkonia Suppression in Small System in the Light of Non-adiabatic Evolution
	Utsab Gangopadhyaya	Transport Coefficients of QGP using Chapman-Enskog method in the presence of Magnetic Field
	V Ravindran	Threshold resummation: Drell Yan and Higgs production at the LHC
Day-3 09-10-2023	Sanjib Muhuri	Physics with Forward calorimeter in ALICE
	Trambak Bhattacharyya	Energy loss of the heavy quarks inside Quark Gluon Plasma and the non-additive statistics
	Chitrasen Jena	Recent results on light (hyper)nuclei production at RHIC
	Sushant Kumar Singh	Spin polarization of Λ hyperons as indicator of QCD critical point
	Sidharth Kumar Prasad	Study of jet production from small to large collision systems at LHC energy
	Ankit kumar panda	Charged participants and their electromagnetic fields in an expanding fluid
	Bhagyarathi Sahoo	A study on spin alignment of J/ψ and $\psi(2S)$ in proton+proton collisions at LHC energies using a pQCD inspired model.
	Prabhupada Dixit	Azimuthal anisotropic flow of identified hadrons in Au+Au collisions in BES-II energies
	Lakshmi J Naik	Thermal dilepton production from QGP medium within Gubser flow
	Debarshi Dey	Dynamics of heavy quarks in a weakly magnetized QGP
	Sabiar Shaikh	Confinement-deconfinement transition in SU(3)-Higgs theory
	Sudeepan Datta	Leading-color three-loop QCD contributions to the heavy-to-light form factors
	Deependra Singh Rawat	Characteristic Features of Dual QCD Vacuum and Color Flux-Tube Dynamics of QCD
	Bhaskar Shukla	Anisotropic and frame dependent chaos of suspended strings from a dynamical holographic QCD model with magnetic field
Victor Riabov	The status of the MPD experiment at NICA	