

## **Session Program**

**3-9 Sept 2023**



## **Quark Matter 2023**

### ***New Theory***

Hilton of the Americas, 1600 Lamar, Houston, Texas, 77010, USA

# Tuesday 5 September

11:00

## New Theory: (1)

**Session** | **Location:** Hilton of the Americas, Ballroom A | **Convener:** Krishna Rajagopal

11:00-11:20

### Testing Eigenstate Thermalization Hypothesis for Non-Abelian Gauge Theories

**Speaker**

Xiaojun Yao

11:20-11:40

### Far-from-equilibrium slow modes and momentum anisotropy in expanding plasma

**Speaker**

Jasmine Therese Brewer

11:40-12:00

### Non-Hydrodynamic Modes from Linear Response in Kinetic Theory

**Speaker**

Stephan Ochsenfeld

12:00-12:20

### Exploring the freeze-out hypersurface with a rapidity-dependent thermal model

**Speaker**

Han Gao

12:20-12:40

### A solvable quantum field theory with asymptotic freedom in 3+1 dimensions

**Speaker**

Paul Romatschke

12:40-13:00

### Non-Gaussian fluctuation dynamics in relativistic fluid near a critical point

**Speaker**

Xin An

13:00-13:20

### Excited Hadron Channels in Hadronization

**Speaker**

Rainer Fries

13:20

14:50

## New Theory: (2)

**Session** | **Location:** Hilton of the Americas, Ballroom A | **Convener:** Ulrich Heinz

14:50-15:10

### A new approach to stochastic relativistic fluid dynamics from information flow

**Speaker**

Nicki Mullins

15:10-15:30

### Azimuthal anisotropies at high $p_T$ from transverse momentum dependent (TMD) parton distribution and fragmentation functions

**Speaker**

Dr ismail souidi

15:30–15:50

**Transverse-momentum-dependent (TMD) factorization in reactions with nuclei: from Drell-Yan to hadron production****Speaker**

Dr Weiyao Ke

15:50–16:10

**Applicability of higher-order hydrodynamics in heavy-ion collisions****Speaker**

Sunil Jaiswal

16:10–16:30

**Sound of rigidly moving fluids: on linear waves in inhomogeneous equilibrium configurations (remote)****Speaker**

Masoud Shokri

16:30–16:50

**Mapping the critical equation of state by resummations****Speaker**

Prof. Gokce Basar

16:50–17:10

**Far-from-equilibrium attractors for massive kinetic theory in the relaxation time approximation****Speaker**

Huda Alalawi

17:10

## Wednesday 6 September

16:30

### New Theory: (3)

**Session** | **Location:** Hilton of the Americas, Ballroom A | **Convener:** Peter Levai

16:30-16:50

#### Studying exotic hadrons in high energy nuclear collisions

**Speaker**

Jinfeng Liao

16:50-17:10

#### Far-off-equilibrium early-stage dynamics in high-energy nuclear collisions

**Speaker**

Chandroday Chattopadhyay

17:10-17:30

#### Charge-dependent anisotropic flow in relativistic resistive magneto-hydrodynamic expansion

**Speaker**

Chiho Nonaka

17:30-17:50

#### Isotropization of a longitudinally expanding plasma with the 2PI effective action

**Speaker**

Sigtryggur Hauksson

17:50-18:10

#### The Black Hole CGC double copy: Computing gravitational radiation in close hyperbolic encounters of primordial Black Holes

**Speaker**

Dr Raju Venugopalan

18:10