## Monday, August 18th:

## Morning session: Heavy Flavor Production

Chair: Jamie Nagle

08:30 Welcome

- 08:45 Kirill Tuchin (Iowa State & RBRC) Review of Saturation Physics and Heavy Quark Production at High Parton Densities
- 09:20 Stephen L. Baumgart (Yale University) Recent charm measurements through hadronic decay channels with STAR at RHIC
- 09:40 Sebastien G. Gadrat (LPSC Grenoble) Consequences of  $\Lambda_c/D$  enhancement on the non-photonic electron nuclear modification factor
- 10:00 coffee break
- 10:30 Manceau Loic (LPC CNRS IN2P3) Measurement of the B-hadron production cross section from single muons with ALICE
- 10:50 Cyrille Marquet (Columbia University) Heavy quark energy-loss in a finite-extended strongly coupled SYM plasma
- 11:10 Philip D. Allfrey (University of Auckland) Heavy Flavor Measurements with CMS
- 11:30 Sergey Butsyk (Los Alamos National Laboratory) The Forward Vertex upgrade detector for PHENIX
- 11:50 discussion forum

12:30 lunch

## Afternoon session: Hydrodynamics, Transport Theory & Coefficients

Chair: Steffen A. Bass

- 17:00 Bin Zhang (Arkansas State University) Review of Partonic Transport Calculations
- 17:35 Huichao Song (The Ohio State University) Viscous hydrodynamics for relativistic heavy-ion collisions
- 17:55 Hannah Petersen (Frankfurt University) First results from an integrated Boltzmann + hydrodynamics hybrid approach

18:15 coffee break

- 18:30 Daniel Fernandez-Fraile (University Complutense of Madrid) Chiral Perturbation Theory in Heavy-Ion Collisions: transport coefficients and resonances
- 18:50 Christopher A. Rosen (University of Colorado) Unraveling AdS/CFT: what string theory tells us about the Quark-Gluon-Plasma
- 19:10 Nasser Demir (Duke University) Shear viscosity of hadronic matter from microscopic transport models
- $19:30\ discussion\ forum$

20:15 dinner

# Tuesday, August 19th:

### Morning Session: QCD Matter

Chair: Marzia Nardi

- 08:30 Masakiyo Kitazawa (Osaka University) Review of Lattice QCD
- 09:05 Yoshimasa Hidaka (RBRC) Transport Coefficients in semi-QGP
- 09:25 Hirotsugu Fujii (Tokyo University) Dynamic aspects of the QCD critical point
- 09:45 coffee break
- 10:15 Eugenio Megias (Brookhaven National Laboratory) Implications of the dimension two gluon condensate on the deconfined phase of QCD
- 10:35 Jingyi Chao (North Carolina State University) Color Superconductivity in Dense Quark Matter
- 10:55 Shu Lin (Stonybrook University) Gravity dual of QGP formation and thermalization
- 11:15 discussion forum

12:30 lunch

## Afternoon: Photons and Leptons

Chair: Alessandro De Falco

- 17:20 Ben-Wei Zhang (Los Alamos National Laboratory) Reaction operator approach to medium-induced photon bremsstrahlung
- 17:40 Bjoern Baeuchle (Frankfurt University) Direct Photons in Heavy-Ion Collisions from Microscopic Transport Theory and Fluid Dynamics
- 18:00 coffee break
- 18:30 Malgorzata Sudol (INPO, Orsay) Dilepton Production in Elementary and HI Collisions with HADES
- 18:50 Gergely G. Barnafoldi (Kent State University) Isospin Effects in Relativistic Heavy-Ion Collisions
- $19{:}10 \ discussion \ forum$

 $20{:}00 \ dinner$ 

# Wednesday, August 20th:

### Morning session: Quarkonia

Chair: Manuel Calderon de la Barca Sanchez

- 08:30 Peter Petreczky (Brookhaven National Laboratory) Review on Quarkonium Suppression
- 09:05 Debasish Das (UC Davis)  $\Upsilon$  production in STAR
- 09:25 Loren A. Linden-Levy (University of Colorado) How well do we really understand cold nuclear matter?
- 09:45 coffee break
- 10:15 Andry M. Rakotozafindrabe (CEA Saclay, IRFU/SPhN)  $J/\Psi$  production: intrinsic vs. extrinsic transverse momentum and its influence on shadowing effects
- 10:35 Matthew Wysocki (University of Colorado)  $J/\Psi$  Measurements in A+A Collisions at PHENIX
- 10:55 Clint F. Young (Stonybrook University) Charmonium in strongly-coupled Quark-Gluon-Plasma
- 11:15 Xingbo Zhao (Texas A&M University) Transverse momentum of  $J/\Psi$  in heavy-ion collisions
- 11:35 discussion forum

12:30 lunch

#### Afternoon session: Jets

Chair: Carlos Salgado

- 17:00 Sevil Salur (Lawrence Berkeley National Laboratory) Review on Jet Identification
- 17:35 Andrew Adare (University of Colorado) High  $p_T$  jet correlations as probe of the QGP
- 17:55 Elena Bruna (Yale University) Study of jet fragmentation in p+p collisions at 200 GeV in STAR
- 18:15 coffee break
- 18:30 Ivan Vitev (Los Alamos National Laboratory) Tomography of Jets
- 18:50 Sarah Porteboef (SUBATECH Nantes) Generation of complete events containing very high  $p_T$  jets
- 19:10 Paloma Quiroga (University of Santiago de Compostela) Medium modification of multiplicity distributions in MLLA
- 19:30 discussion forum
- 20:00 dinner

# Thursday, August 21st:

## Morning: free / excursion

## Afternoon session: Collective Flow

Chair: Christian Kuhn

- 17:00 Arkadij Taranenko (Stonybrook University) PHENIX measurements of particle species dependent flow correlations at RHIC
- 17:20 Pradip K. Sahu (IOP Bhubaneshwar) Proton flow in Pb+Pb collisions at 40 AGeV
- 17:40 Navneet K. Pruthi (Panjab University, Chandigarh) Elliptic flow of jet triggered events in heavy-ion collisions at RHIC
- 18:00 coffee break
- 18:30 Hiroshi Masui (Lawrence Berkeley National Laboratory) Centrality dependence of unidentified charged hadron  $v_2$
- 18:50 David T. Kettler (University of Washington, Seattle) Universal centrality and collision energy trends for v<sub>2</sub> measurement from two-dimensional angular correlations
- 19:10 discussion forum
- $20{:}00 \ dinner$

# Friday, August 22nd:

## Morning Session: High- $p_T$

Chair: Julia Velkovska

- 08:50 Essam Elhalhuli (University of Birmingham) High- $p_T$  azimuthal di-hadron correlations with identified associated hadrons
- 09:10 Ahmed M Hamed (Texas A&M University) Gamma-Hadron Correlations in STAR
- 09:30 Christina Markert (The University of Texas at Austin) Resonance production from jet fragmentation
- 09:50 coffee break
- 10:20 Rainer J. Fries (Texas A&M University) Strangeness and other flavors as a QGP probe: a new twist on an old story
- 10:40 Yichun Xu (USTC/BNL) Identified hadron production at high  $p_T$  in p+p and Au+Au collisions
- 11:00 Nathan Grau (Columbia University) Revealing the Details of QCD Energy Loss with Jets: Prospects of ATLAS Heavy-Ion Jet Measurements
- 11:20 Lamia Benhabib (SUBATECH, Nantes)  $\pi^0$  measurement with the ALICE photon spectrometer in first p+p collisions at the LHC
- 11:40 discussion forum

12:30 lunch

### Afternoon: Future Facilities & Heavy Flavor ctd.

Chair: Helen Caines

- 17:30 Ondrej Chvala (UC Riverside) Nose-Cone Calorimeter Upgrade for PHENIX
- 17:50 Laura Stiles (University of Colorado) The CMS Zero-Degree-Calorimeter
- 18:10 coffee break
- 18:30 Jan Kapitan (Nuclear Physics Institute ASCR, Praha) Open Charm Measurement with the HFT at STAR
- 18:50 Anders G. Knospe (Yale University) Non-photonic electron production in Cu+Cu and Au+Au collisions at  $\sqrt{s}_{NN} = 200 \ GeV$
- 19:10 Serhiy Senyukov (Universita and INFN de Torino) Measurement of  $D_s$  mesons via the  $D_s \to KK\pi$  channel in ALICE
- 19:30 discussion forum
- 20:00 dinner

<sup>17:00</sup> Matthew Lamont (Brookhaven National Laboratory) Review of Electron-Ion Collider Physics

# Saturday, August 23rd:

### Morning session: Bulk Matter & Strangeness

Chair: Christian Kuhn

- 09:15 Boris Hippolyte (Universite Louis Pasteur, Strasbourg) Review on bulk matter physics and its future at the LHC
- 09:50 Ronald J Belmont III (Vanderbilt University) Deuteron and anti-deuteron measurements in  $\sqrt{s_{NN}} = 200 \text{ GeV Au+Au}$  collisions
- 10:10 coffee break
- 10:40 Anthony R. Timmins (Wayne State University) Strange particle production at RHIC
- 11:00 Jaakko Manninen (Universita di Firenze & INFN Sezione di Firenze) Hadron production in heavy-ion collisions
- 11:20 Lorenzo Ferroni (Lawrence Berkeley National Laboratory) Hadron gas and QGP

11:40 discussion forum

12:30 lunch

## Afternoon: Medium Response: Ridge and Mach Cones

Chair: Steffen A. Bass

- 17:00 Jiangyong Jia (Stonybrook University) Review on 2- and 3-particle correlations at RHIC
- 17:35 Marek K. Szuba (Warsaw University of Technology) Angular Correlations of high-p<sub>T</sub> charged hadrons at the CERN SPS
- 17:55 Christine Nattrass (Yale University) System size and energy dependence of high- $p_T$  triggered correlations in STAR

18:15 coffee break

- 18:30 Betty Abelev (University of Illinois at Chicago) The Ridge in multi-strange  $\Delta \eta - \Delta \phi$  correlations in Au+Au collisions at  $\sqrt{s_{NN}} = 200 \text{ GeV}$
- 18:50 Richard B. Neufeld (Duke University) Fast Partons as a Source of Energy and Momentum in a Perturbative QGP
- 19:10 George S. Moschelli (Wayne State University) Viscous Hydrodynamic Description of Untriggered Two Particle Correlations in Nuclear Collisions

19:30 discussion forum

20:00 dinner and Klaus Kinder-Geiger Award Ceremony