Program of CPOD 2016, 30.05 - 04.06.2016, Wrocław

08:00 - 08:45 - registration 08:45 - 09:00 - opening

Time\Date	Monday 30.05		Tuesday 31.05	Wednesday 01.06	Thursday 02.06		Friday 03.06		Saturday 04.06
chair	Turko		Randrup	Aichelin	Stroth		Sasaki		Lacey
09:00 - 09:25 09:30 - 09:55 10:00 - 10:25	Karsch Nu Xu McLerran		Satz Friman Schaefer	Braun-Munzinger Oeschler Bratkovskaya	Stachel Koch Fukushima		Rustamov Suganuma Glozman		Aichelin Song Bożek
Coffee Break									
chair	Turko		Randrup	Aichelin	Stroth		Sasaki		Lacey
11:00 - 11:25 11:30 - 11:55 12:00 - 12:25 12:30 - 12:55	Grebieszkow Friese Bass Morita		Lacey Florkowski Ohnishi Karpenko	Kämpfer Blume Zhangbu Xu Lorenz	Nahrgang Pawlowski Kitazawa Bluhm		Cleymans Sorin Doi Blaschke		Shuryak Mukherjee Gavai Broniowski
Lunch Break									
chair	van Hees	Gaździcki	Barnafoldi		Huovinen	Galatyuk	Praszałowicz	Senger	
14:00 - 14:25 14:30 - 14:55 15:00 - 15:25	Wolf Motornenko Lo	Begun Mao Pu	Barnafoldi Baym Kojo		Nakamura Miller Steinberg	Seck Endres Kim	Bonati Davis Rożynek	Pawłowska Herold Taranenko	
Coffee Break				Free Afternoon	Coffee Break			End of	
chair	van Hees	Gaździcki	Barnafoldi		Seyboth		Praszałowicz	Senger	CPOD 2016
16:00 - 16:25 16:30 - 16:55 17:00 - 17:25 17:30 - 17:55	Ikeda Vovchenko Yokota Mitter	Seryakov Andronov Lewicki Naskręt	Buballa Klaehn Ayriyan Grigorian		Baym Gorenstein Mrówczyński Rafelski		Carrington Van Hees Yoshiike Jankowski	Harabasz Kincses Haojie Xu Prorok	
18:00 - 20:00	Poster session			Advisory Board	Conference Dinner				

COST Action MP1304 "NewCompStar" WG2 Meeting: "QCD phases and observable neutron stars properties"

Gergely Barnafoldi (Wigner RCP Budapest, Hungary)

Recent progress on the equation of state from NewCompStar

Gordon Baym (Urbana-Champaign, USA)

Ouark matter in neutron stars

Michael Buballa (Darmstadt, Germany)

Inhomogeneous chiral condensates in the QCD phase diagram

Hovik Grigorian (JINR Dubna, Russia)

Cooling of neutron stars with stiff stellar matter

Thomas Klaehn (Wrocław, Poland)

Consequences of simultaneous chiral symmetry restoration and deconfinement for the QCD phase diagram

Toru Kojo (Wuhan, China)

QCD in stars

Alexander Ayriyan (Dubna, Russia)

Bayesian analysis for new class of hybrid star EoS with M-R observations for neutron stars

Colloquium for Marek Gaździcki on the Occasion of his 60th Birthday

Gordon Baym (Urbana-Champaign, USA)

Evolution of the QCD phase diagram

Mark Gorenstein (Kiev, Ukraine)

Critical Point of Nuclear Matter

Stanislaw Mrówczyński (Kielce, Poland)

Marek & Event-by-Event Fluctuations

Peter Seyboth (Kielce, Poland) – Advisory Board

Energetic scans of Marek Gaździcki

Johann Rafelski (Arizona, USA)

The Mar(e)k of QGP: Strangeness and Entropy

Talks and Titles (invited)

Joerg Aichelin (Nantes, France)

Transport theory for a plasma based on the NJL Lagrangian

Steffen Bass (Duke Univ., USA)

Systematic Extraction of QGP Properties

David Blaschke (Wrocław, Poland) - Advisory Board

Generalized Beth-Uhlenbeck approach to quark-hadron matter

Marcus Bluhm (Raleigh, USA)

From cold Fermi fluids to the hot QGP

Claudio Bonati (Pisa, Italy)

Across deconfinement transition

Piotr Bożek (Cracow, Poland)

Collective dynamics in small systems

Elena Bratkovskaya (Frankfurt, Germany)

Chiral symmetry restoration vs deconfinement in HIC at high baryon density

Peter Braun-Munzinger (GSI Darmstadt, Germany)

Particle production at the QCD phase boundary

Takahiro Doi (Kyoto, Japan)

Polyakov loop fluctuations in terms of Dirac eigenmodes

Volker Friese (GSI Darmstadt, Germany)

Future facilities for HIC

Bengt Friman (GSI Darmstadt, Germany)

Chiral criticality: confronting models with data

Kenji Fukushima (Tokyo, Japan)

QCD transition and chemical freezeout in the presence of a magnetic field

Wojciech Florkowski (Cracow, Poland)

Anisotropic hydrodynamics

Katarzyna Grebieszkow (Warsaw, Poland)

News from strong interactions program of the NA61/SHINE experiment

Burkhard Kämpfer (Dresden-Rossendorf, Germany)

Photon emission in the vicinity of a critical point

Frithjof Karsch (Bielefeld, Germany)

Status of Lattice OCD Simulations

Volker Koch (LBNL Berkeley, USA)

Fluctuation observables in heavy ion collisions

Larry McLerran (Brookhaven, USA) - Advisory Board

From Glasma to QCD phase boundary

Kenji Morita (Kyoto, USA)

Fluctuations of charges at the phase boundary

Swagato Mukherjee (LBNL Berkeley, USA)

Off-equilibrium Non-Gaussian Cumulants: criticality, complexity, and universality

Marlene Nahrgang (Durham, USA)

Effective dynamical models for fluctuations at the QCD transition

Helmut Oeschler (Heidelberg, Germany)

Production of light flavor hadrons in pp, p-Pb and Pb-Pb collisions with ALICE

Akira Ohnishi (Kyoto, Japan)

Directed flow in heavy-ion collisions and softening of equation of state

Anar Rustamov (FIAS, Germany)

Energy scan programs in HIC

Helmut Satz (Bielefeld, Germany)

Horizons, Causality and Information transfer

Edward Shuryak (Stony Brook, USA) - Advisory Board

Recent progress in understanding deconfinement and chiral symmetry breaking transitions

Huichao Song (Peking, China)

Correlated fluctuations near the QCD critical point

Alexander Sorin (JINR Dubna, Russia) - Advisory Board

Search for a mixed phase of QCD at NICA

Johanna Stachel (Heidelberg, Germany)

Heavy flavor production at the QCD phase boundary

Hideo Suganuma (Kyoto, Japan)

Interplay between deconfinement and chiral properties

Nu Xu (Berkeley, USA) – Advisory Board

Limits on the experimental search for the CEP

Zhangbu Xu (Brookhaven, USA)

STAR BES-I highlights and RHIC BES-II program

Talks and Titles (contributed)

Evgeny Andronov (St. Petersburg State University, Russia)

Transverse momentum and multiplicity fluctuations in Ar+Sc collisions at CERN SPS from NA61/SHINE

Viktor Begun (Kielce, Poland)

Surprises for the chemical freeze-out line from the new data in pp and nucleus-nucleus collisions

Christoph Blume (Frankfurt, Germany)

The Compressed Baryonic Matter (CBM) Experiment at FAIR

Wojciech Broniowski (Cracow, Poland)

Wounded quarks at the LHC

Margaret Carrington (Brandon University, USA)

Phase transitions in graphene: a non-pert. continuum Dyson-Schwinger method

Jean Cleymans (Cape Town, South Africa)

Thermal Model Description of Collisions of Small Nuclei

Nikolaos Davis (Warsaw, Poland)

Searching for the QCD critical point through power-law fluctuations of the proton density in heavy ion collisions

Spethan Endres (Frankfurt, Germany)

Electromagnetic probes from SIS18 to LHC energies in coarse-grained transport simulations

Rajiv Gavai (Mumbai, India)

Probing the nature of phases across the phase transition at finite isospin chemical potential

Leonid Glozman (Graz, Austria)

SU(2N_F) symmetry of QCD at high temperature and its implications

Szymon Harabasz (Darmstadt, Germany/ Cracow, Poland)

Measurement of virtual photons radiated from Au+Au collisions at Ebeam=1.23 A GeV with HADES

Atsuro Ikeda (Osaka, Japan)

Charm diffusion coefficient from nonzero momentum Euclidean correlator in temporal channel

Jakub Jankowski (Kraków, Poland)

Relaxation rates and phase transitions

Yurii Karpenko (INFN Firenze, Italy)

Vorticity in the QGP liquid and Lambda polarization at RHIC BES energies

Taekwang Kim (Osaka, Japan)

Non-perturbative production rate of photons with a lattice quark propagator – effect of vertex correction

Daniel Kincses (Budapest, Hungary)

PHENIX Levy analysis of Bose Einstein correlation functions

Masakiyo Kitazawa (Kyoto, Japan)

Understanding experimentally-observed fluctuations

Roy Lacey (Stony Brook, USA)

Observation of the critical point in the phase diagram for hot and dense nuclear matter

Maciej Lewicki (Wrocław, Poland)

Pion spectra in Ar+Sc interactions at SPS energies

Pok Man Lo (Wrocław, Poland)

Repulsive interactions and their effects on the thermodynamics

Manual Lorenz (Frankfurt, Germany)

Hadron production at SIS energies: an update from HADES

Maja Katarzyna Maćkowiak-Pawłowska (Warsaw, Poland)

Higher order moments of net-charge multiplicity distribution in p+p interactions at SPS energies from NA61/SHINE

Shijun Mao (Xian Uni, China)

Inverse Magnetic Catalysis in Nambu—Jona-Lasinio Model beyond Mean Field

David Miller (Penn State University, USA)

Evaluation of the Motion of Confined Particles

Mario Mitter (Heidelberg, Germany)

Chiral symmetry breaking in continuum QCD

Anton Motornenko (Kiev, Ukraine)

Cumulative production of pions by heavy baryonic resonances in proton-nucleus collisions

Michał Naskręt (Wrocław, Poland)

Mean pion multiplicities in Ar+Sc collisions

Jan Pawlowski (Heidelberg, Germany)

On spectral functions and transport coefficients in QCD

Dariusz Prorok (Wrocław, Poland)

Fluctuations of the freeze-out temperature in Pb-Pb collisions at LHC

Jacek Rożynek (Warsaw, Poland)

Critical Phenomena in the Nonextensive Nambu Jona-Lasinio Model

Shi Pu (Frankfurt, Germany)

Chiral magnetic effect and chiral kinetic theory

Bernd-Jochen Schaefer (Giessen, Germany)

Fluctuations in a finite volume

Andrey Seryakov (St. Petersburg, Russia)

Centrality determination and multiplicity fluctuations in Ar+Sc collisions at CERN SPS from NA61/SHINE

Florian Seck (Darmstadt, Germany)

Thermal Dileptons as Fireball probes at SIS Energies

Vincent Steinberg (Frankfurt, Germany)

Particle production in nucleus-nucleus and pion-nucleus collisions at E_kin=0.8 – 2 A GeV

Arkadiy Taranenko (National Research Nuclear University MEPhI, Russia)

PHENIX results on collective effects in small systems

Hendrik Van Hees (Frankfurt, Germany)

Dynamics of the chiral phase transition

Volodymyr Vovchenko (FIAS Frankfurt, Germany)

Critical fluctuations in models with van der Waals interactions

Gyorgy Wolf (Budapest, Hungary)

Existence of the critical endpoint in the vector meson extended linear sigma model

Haojie Xu (Beijing, China)

Event-by-event multiplicity fluctuations in relativistic heavy-ion collisions

Takeru Yokota (Kyoto, Japan)

Novel picture of the soft modes at the QCD critical point based on the FRG method

Ryo Yoshiike (Kyoto, Japan)

Symmetry breaking effect on the inhomogeneous chiral phase in the external magnetic field

Posters

Alexander Ayriyan (JINR Dubna, Russia)

Phase diagram of the three-flavor color superconducting QCD phase diagram

Niels-Uwe Bastian (Wrocław, Poland)

Hybrid Equation of State for Heavy-Ion Collisions and Astrophysics

Vitalii Blinov (Frankfurt, Germany)

CBM performance for anisotropic flow measurements

Mateusz Cierniak (Wrocław, Poland)

In-medium quark mass-gap equation solutions

Alexander Dubinin (Wrocław, Poland)

Mott-hadron resonance gas and lattice QCD thermodynamics

Tobias Fischer (Wrocław, Poland)

The Physics of core-collapse supernovae - Towards 3-dimensional models

Alexandra Friesen (JINR Dubna, Russia)

Phase diagram of the three-flavor PNJL model

Pasi Huovinen (Wrocław, Poland)

Dynamical freeze-out in event-by-event hydrodynamics

Oleksii Ivanytskyi (Kiev, Ukraine)

Polyakov loop geometrical clusters and deconfinement transition in SU(2) gluodynamics

Aliaksei Kachanovich (Wrocław, Poland)

Non-local Quark Model for modelling the composite Higgs particle

Mark Kaltenborn (Wrocław, Poland)

Quasi-Particle Quark-Nuclear Hybrid EoS with Excluded Volume Effects

Yurii Karpenko (INFN Firenze, Italy)

vHLLE, a code for hydrodynamic modelling of relativistic heavy ion collisions

Victor Klochkov (GSI Darmstadt, Germany)

Performance of centrality determination in heavy-ion collisions with the CBM experiment

Simon Liebing (Freiberg, Germany)

Composite particles - effects of substructure

Michał Szymański (Wrocław, Poland)

Temperature effects on superfluid phase transition in Bose-Hubbard model with three-body interaction