

Morning sessions

Program of the Workshop "Quarks, Gluons, and Hadronic Matter under Extreme Conditions II"

18th - 21th of March 2013 Schlosshotel Rheinfels, St. Goar

Time	Monday	Time	Tuesday	Time	Wednesday	Time	Thursday
08:50	Opening				·		-
09:00	Volker Koch QCD Phase structure contact with reality	09:00	Rene Bellwied ALICE/CMS heavy ion results - One step closer to the edge	09:00	Jürgen Berges Nonthermal fixed point and Thermalization of the Quark Gluon Plasma	09:00	Marcus Bleicher Open questions in hybrid models for HIC
09:40	Kazuyuki Kanaya Finite density QCD on the lattice with a histogram method	09:40	Petr Balek ATLAS Heavy Ion Results	09:40	Laura Tolos Shear viscosity and the r-mode instability window in superfluid neutron stars	09:40	Björn Schenke Glasma fluctuations and harmonic flow in heavy-ion collisions
10:20	Szabolcs Borsanyi Lattice QCD and heavy ion phenomenology	10:20	Irais Bautista Rapidity dependence of particle densities in pp and AA collisions	10:20	Roman Yaresko Holographic reconstruction of the dilaton potential in a gravity dual of the pure gluon plasma	10:20	Stefan Leupold The axial anomaly and the eta- prime at low temperatures
10:45	Coffee Break	10:45	Coffee Break	10:45	Coffee Break	10:45	Coffee Break
11:15	Jan M. Pawlowski Exploring the phase structure and dynamics of QCD	11:15	Florian Burger Pseudocritical temperature and thermodynamic equation of state from \$N_f = 2\$ twisted mass lattice QCD	11:15	Jens Oluf Andersen The chiral transition in strong magnetic fields - finite density effects	11:15	Wolfgang Cassing Collective and electromagnetic observables from relativistic heavy-ion collisions
11:40	Leonard Fister Confinement from Correlation Functions	11:40	Najmul Haque Two Loop HTL Thermodynamics at Finite Temperature and Chemical Potential	11:40	Falk Bruckmann QCD probed by strong magnetic fields	11:40	Paramita Deb Thermodynamic properties and Transport coefficients of strongly interacting matter using PNJL model
12:05	Jan Lücker Critical point and deconfinement from Dyson-Schwinger equations	12:05	Marco Ruggieri Color-glass-condensate in heavy ion collisions: a transport-based approach	12:05	Gergely Endrodi QCD equation of state in magnetic fields	12:05	Sylvain Mogliacci Quark number susceptibilities in QCD via resummed perturbation theory
12:30	Markus Huber Non-perturbative results for two- and three-point functions of Landau gauge Yang-Mills theory			12:30	Jacqueline Bonnet Effects of strong external magnetic fields on QCD from a Dyson-Schwinger perspective	12:30	Pu Shi Chiral Anomaly and Local Polarization Effect from Quantum Kinetic Approach
12:55	End of the morning sessons	12:30	End of the morning sessons	12:55	End of the morning sessons	12:55	End of the morning sessons
13:10	Lunch	12:45	Lunch	13:10	Lunch	13:10	Lunch



Afternoon sessions

Program of the Workshop "Quarks, Gluons, and Hadronic Matter under Extreme Conditions II"

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Time	Monday	Time	Tuesday	Time	Wednesday	Time	Thursday
15:00		14:30- 16:30	Excursion: Visiting Rheinfels Castle	15:00	Simon Hands The Phase Diagram of Two Color QCD	15:00	Naoki Yamamoto Universality of phases in QCD and QCD-like theories
15:40	Mark Alford Signatures of Quark Matter in Neutron Stars			15:40	Lorenz von Smekal QCD-like theories at finite density	15:25	Nan Su Yang-Mills thermodynamics from the Gribov horizon
16:20	Claudia Ratti Flavor hierarchy in the QCD phase transition			16:20	Axel Maas The G2 QCD phase diagram	15:50	Christian Pauly The CBM experiment - experimental program and status
16:45	Coffee Break	16:45	Coffee Break	16:45	Coffee Break	16:15	End of conference
17:15	Bruno Mintz Surface Tension in the 3-flavor Polyakov-Quark-Meson Model	17:15	Hugo Reinhardt The effective potential of the confinement order parameter in the Hamiltonian approach	17:15	Alex Buchel Confinement and chiral symmetry breaking from holography		
17:40	Bernd-Jochen Schaefer On baryons, critical endpoints and the QCD phase diagram	17:40	Andre Sternbeck Landau gauge propagators from lattice QCD at finite temperature	17:40	Jens Langelage Thermal lattice QCD as a spin model		
18:05	Mario Mitter 't Hooft determinant at finite temperature with fluctuations	18:05	Paolo Silva The Landau gauge gluon propagator on the lattice at zero and finite temperature	18:05	Hans-Peter Schadler New developments for fugacity expansion in lattice QCD		
18:30	End of day	18:30	End of day	18:30	End of day		
19:00	Dinner	19:00	Dinner	19:00	Dinner		