

Program

Monday, April 2, 2018

17:00 – 21:00 Registration

from 18:30 *DINNER / Informal get together*

Tuesday, April 3, 2018

08:00 BREAKFAST

08:50 – 09:00 Scientific organizers **Opening and welcome**

09:00 – 09:40 Craig Roberts **Empirical manifestations of the source of visible mass**

09:40 – 10:20 Gernot Eichmann **Baryon spectroscopy and structure in the Dyson-Schwinger approach**

10:20 – 10:45 Adnan Bashir **From the QCD green functions to the internal structure of hadrons**

10:45 – 11:15 *COFFEE BREAK*

11:15 – 11:40 Fabian Rennecke **Fluctuations in 2+1 flavor QCD**

11:40 – 12:05 Jürgen Eser **Low-energy limit of the O(4) quark-meson model**

12:05 – 12:30 Wei-jie Fu **QCD phase transitions at finite temperature and densities within FRG approach**

12:30 **Conference Photo** (in the foyer of the lecture hall)

12:45 *LUNCH*

Program

Tuesday, April 3, 2018

15:00 – 15:40	Markus Huber	2-, 3- and 4-point functions in 2, 3 and 4 dimensions
15:40 – 16:20	Daniele Binosi	Gluon mass generation: Theory and applications
16:20 – 16:45	Fei Gao	A trajectory of mesons' PDA corresponding to current quark mass
16:45 – 17:15	COFFEE BREAK	
17:15 – 17:40	Ralf-Arno Tripolt	In-medium spectral functions of hadrons with the Functional Renormalization Group
17:40 – 18:05	Nicolas Wink	Real time correlation functions at finite temperature
18:30	<i>DINNER</i>	

Program

Wednesday, April 4, 2018

08:00	<i>BREAKFAST</i>	
09:00 – 09:40	Daniel Zwanziger	A fresh look at QCD in Coulomb gauge
09:40 – 10:20	Julien Serreau	Perturbative dynamics of massive gluons
10:20 – 10:45	Richard Williams	Hadron spectroscopy from Dyson-Schwinger equations
10:45 – 11:15	<i>COFFEE BREAK</i>	
11:15 – 11:40	Jan Maelger	Heavy quark phase diagram at two-loop order in perturbation theory
11:40 – 12:05	Antônio Pereira	The Refined Gribov-Zwanziger scenario beyond the Landau gauge
12:05 – 12:30	Matthieu Tissier	Gribov copies, avalanches and dynamic generation of a gluon mass
12:45	<i>LUNCH</i>	
	Time for discussions	
16:00 – 17:00	Poster session & COFFEE	
17:00 – 17:40	Mario Mitter	QCD from gluon, quark, and meson correlators
17:40 – 18:05	Marcus Bluhm	Dynamics of net-baryon density correlations near the QCD critical point
18:30	<i>DINNER</i>	

Program

Thursday, April 5, 2018

08:00	<i>BREAKFAST</i>	
09:00 – 09:40	Andre Sternbeck	Three-point functions in Landau gauge from two-flavor lattice QCD
09:40 – 10:20	Mariapaola Lombardo	Weighted correlation functions and thermal widths
10:20 – 10:45	Axel Maas	The ambiguity of confinement
10:45 – 11:15	<i>COFFEE BREAK</i>	
11:15 – 11:40	José Rodríguez-Quintero	QCD 2- and 3-points Green's functions: From lattice gauge theories to phenomenology
11:40 – 12:05	Martin Roelfs	Spectral representation of lattice gluon and ghost propagators
12:05 – 12:30	Paulo Silva	Lattice ghost propagator in linear covariant gauges
12:45	<i>LUNCH</i>	
15:00 – 15:40	Tereza Mendes	Recent developments in lattice studies of IR propagators
15:40 – 16:20	Lei Chang	Pion and Kaon valence-quark quasiparton distribution
16:20 – 16:45	Reinhard Alkofer	Electromagnetic transition form factors of baryons in a relativistic Faddeev approach
16:45 – 17:15	<i>COFFEE BREAK</i>	
17:15 – 17:40	René Sondenheimer	Bound state spectrum of theories with a BEH effect
17:40 – 18:05	Kei-Ichi Kondo	Understanding quark confinement through a gauge-invariant Higgs mechanism
18:05 – 18:20	Stefan Jorda	About the Wilhelm and Else Heraeus Foundation
19:00	<i>HERAEUS DINNER</i> <i>(cold & warm buffet, free beverages)</i>	

Program

Friday, April 6, 2018

08:00	<i>BREAKFAST</i>	
09:00 – 09:40	Hugo Reinhardt	Variational approach to gauge theory
09:40 – 10:20	Marlene Nahrgang	Critical fluctuations in heavy-ion collisions
10:20 – 10:45	Sergei Nedelko	Domain wall networks and hadron properties
10:45 – 11:15	<i>COFFEE BREAK</i>	
11:15 – 11:40	Bernd-Jochen Schaefer	Mass sensitivity of the QCD phase structure
11:40 – 12:05	Linda Shen	Dynamical thermalization in the quark-meson model
12:05 – 12:30	Dirk Rischke	The extended Linear Sigma Model as a low-energy model for QCD
12:30	Scientific organizers	Poster awards and closing remarks
12:45	<i>LUNCH</i>	

End of the seminar and FAREWELL COFFEE / Departure

*Please note that there will be **no** dinner at the Physikzentrum on Friday evening for participants leaving the next morning.*