

EMMI Workshop at the University of Wrocław - Aspects of Criticality II

Tuesday 02 July 2024

Session - Aula Leopoldina (09:15-10:45)

-Conveners: Frithjof Karsch

time	[id] title	presenter
09:15	[5] Heavy flavor spectra from the hydrodynamically expanding QGP	STACHEL, Johanna
09:45	[6] Search for the QCD Criticality in RHIC Beam Energy Scan Program	XU, Nu
10:15	[7] QCD phase diagram and Lee-Yang edge singularities	SCHMIDT, Christian

Session - Aula Leopoldina (11:15-12:45)

-Conveners: Frithjof Karsch

time	[id] title	presenter
11:15	[8] Ideas of Confinement from Coulomb Gauge QCD	LO, Pok Man
11:45	[9] Stiffening of matter in quark-hadron continuity	KOJO, Toru
12:15	[10] Quarkyonic or baryquark matter?	KOCH, Volker

Session - Aula Leopoldina (14:00-16:00)

-Conveners: Chihiro Sasaki

time	[id] title	presenter
14:00	[14] The earliest phase of relativistic heavy-ion collisions	MRÓWCZYŃSKI, Stanisław
14:30	[13] Microscopic Encoding of Macroscopic Universality: Scaling Properties of Dirac Eigenspectra near QCD Chiral Phase Transition	PETRECZKY, Peter
15:00	[12] Thermal dileptons as a probe of QCD phase structure at high baryon density	GALATYUK, Tetyana
15:30	[11] Electromagnetic probes for critical fluctuations of phase transitions in dense QCD	KITAZAWA, Masakiyo

Session - Aula Leopoldina (16:30-18:30)

-Conveners: Chihiro Sasaki

time	[id] title	presenter
16:30	[15] Pseudo-scalar meson spectral properties in the chiral crossover	PHILIPSEN, Owe
17:00	[16] Non-perturbative constraints on perturbation theory at finite temperature	LOWDON, Peter
17:30	[17] Bottomonium spectral functions in thermal QCD	LOMBARDO, Maria-Paola
18:00	[18] Charm degrees of freedom in hot matter from Lattice QCD	SHARMA, Sipaz

Wednesday 03 July 2024

Session - Aula Leopoldina (09:15-10:45)

-Conveners: Johanna Stachel

time	[id] title	presenter
09:15	[19] Quark Matter at High Baryon Density, Conformality and Quarkyonic Matter	MCLERRAN, Larry
09:45	[20] Curvature of the energy per particle in neutron stars	MARCZENKO, Michał
10:15	[21] QCD Phase Diagram and Astrophysical Implications	FUKUSHIMA, Kenji

Session - Aula Leopoldina (11:15-12:45)

-Conveners: Johanna Stachel

time	[id] title	presenter
11:15	[22] Light Nuclei and Exotic States production in HIC	BRAUN-MUNZINGER, Peter
11:45	[23] Light-nuclei production in pp and pA collisions in the baryon canonical ensemble	SHARMA, Natasha
12:15	[24] Unified approach to spin hydrodynamics	FLORKOWSKI, Wojciech

Session - Aula Leopoldina (14:15-15:45)

-Conveners: Larry McLerran

time	[id] title	presenter
14:15	[38] Parity doubling in dense matter	SASAKI, Chihiro
14:45	[26] Non-zero temperature study of spin 1/2 charmed baryons using lattice gauge theory	ALLTON, Chris
15:15	[27] Heavy Flavor Kinetics in HIC	MYKHAYLOVA, Valeriya

Session - Aula Leopoldina (16:15-18:15)

-Conveners: Larry McLerran

time	[id] title	presenter
16:15	[28] Hydrodynamization of charm quarks in heavy-ion collisions	FLOERCHINGER, Stefan
16:45	[29] Thermal quarkonia spectral function in 2+1 flavor Lattice QCD	BALA, Dibyendu
17:15	[30] Heavy quark momentum broadening in a non-Abelian plasma away from equilibrium	SHARMA, Sayantan
17:45	[31] Charm balance function in relativistic HIC	BOŻEK, Piotr

Thursday 04 July 2024

Session - Aula Leopoldina (09:15-10:45)

-Conveners: Nu Xu

time	[id] title	presenter
09:15	[32] The imprint of conservation laws on correlated particle	RUSTAMOV, Anar
09:45	[50] Proton cumulants from hydrodynamics in light of new STAR data	VOVCHENKO, Volodymyr
10:15	[34] Finite size effects on the critical endpoint and conserved charge fluctuations	KOVÁCS, Győző

Session - Aula Leopoldina (11:15-12:45)

-Conveners: Nu Xu

time	[id] title	presenter
11:15	[35] Confronting analytic continuation from imaginary to real chemical potential in Lattice QCD	DI RENZO, Francesco
11:45	[36] Lee-Yang edge singularities from analytic continuation of scaling functions	SINGH, Simran
12:15	[37] Influence of dynamical screening of four-quarks interaction on the chiral phase diagram	SZYMAŃSKI, Michał

Session - Aula Leopoldina (14:45-16:15)

-Conveners: Volker Koch

time	[id] title	presenter
14:45	[41] Thermal twin stars	BLASCHKE, David
15:15	[40] Exploring properties of extreme matter with Machine Learning	WANG, Lingxiao
15:45	[51] Four types of phase transitions in interacting meson (boson) matter at high temperatures	ANCHISHKIN, Dmitry

Session - Aula Leopoldina (16:45-18:45)

-Conveners: Volker Koch

time	[id] title	presenter
16:45	[43] Thermodynamics of QCD with quarks and multi-quark clusters	IVANYTSKYI, Oleksii
17:15	[42] Simulating collectivity in dense baryon matter with multiple fluids	HUOVINEN, Pasi
17:45	[33] Correlations and fluctuations in a thermal system with exact conservation of non-abelian charges	TURKO, Ludwik