



Extreme Matter Institute EMMI
Quark-Gluon Plasma meets Cold Atoms
Introductory Workshop
September 24 – 27, 2008
GSI, lecture hall

Wednesday 24.09.2008

18:00 Arrival – Get together at GSI Guesthouse

Thursday 25.09.2008

8:55	P. Braun-Munzinger	Welcome Address
9:00 - 9:50	J. Stachel	Diagnosing the Quark-Gluon Plasma with experiments at RHIC and LHC
10:00 - 10:50	J. Thomas	Measuring Entropy and Quantum Viscosity in a Strongly Interacting Atomic Fermi Gas
11:00 – 11:30		Coffee break
11:30 – 12:20	T. Schäfer	Perfect Fluids: From Nano to Tera
12:30 – 14:00		Lunch break
14:00 – 14:50	M. Huang	Instabilities in Imbalanced Quark Pairing Systems
15:00 – 15:50	I. Shovkovy	Transport Properties of Stellar Quark Matter
16:00 – 16:30		Coffee break
16:30 – 17:00	C. Fischer	Aspects of Strong QCD
17:00 – 17:30	T. Gasenzer	Ultracold Gases far from Equilibrium
18:00		BBP (Barbecue, Beer and Posters)

Friday 26.09.2008

9:00 – 9:50	R. Grimm	Strongly Interacting Fermions: From Spin Mixtures to Mixed Species
10:00 – 10:50	S. Stringari	Superfluidity in Strongly Interacting Fermi Gases
11:00 – 11:30		Coffee break
11:30 – 12:20	Q. Wang	From BCS-BEC Crossover to Quark-Nuclear Matter Crossover
12:30 – 14:00		Lunch break
14:00 – 14:30	M. Kitazawa	Diquark Excitations in Dense and Hot Quark Matter
14:30 – 15:00	H. Abuki	Relativistic BCS-BEC Crossover in the Nozières-Schmitt-Rink Approach
15:00 – 15:30	T. Brauner	Relativistic BCS-BEC Crossover in the $1/N$ Expansion
15:30 – 16:00		Coffee break
16:00 – 16:30	J. Pawłowski	QCD and ultracold Gases
16:30 – 17:20	C. Honerkamp	Trionic Liquids and Superfluidity in Multicolor Fermion Lattice Models
18:00		Dinner

Saturday 27.09.2008

9:00-9:50	H. Stoeff	Pairing in Imbalanced Fermi Mixtures
10:00		Physics Brunch – Coffee, Cake and Talks