

# Workshop Program

Oct.24 (Mon) -28 (Fri)

## Oct.24 (Mon)

**9:00-9:50 (40+10): Dr. Larry McLerran** (INT, Seattle)

*“An opening talk”*

**9:50-10:40 (40+10): Dr. Robert Pisarski** (BNL)

*“What is Quarkyonic? and Tetraquarks and the phase diagram of QCD”*

**10:40-11:10** *Coffee break*

**11:10-12:00 (40+10): Prof. Peter-Braun-Munzinger** (GSI)

*“Quarkonia production in low to high energy nuclear collisions”*

**12:00-14:30** *Lunch at Guiyuan hotel*

**14:30-15:20 (40+10): Dr. Swagato Mukherjee** (BNL)

*“QCD critical point out of equilibrium”*

**15:20-16:00:** *Coffee break*

**16:00-16:50 (40+10): Prof. Lianyi He** (Tsinghua Univ.)

*“BEC-BCS crossover and inhomogeneous phases in dense matter”*

**16:50-17:00** *Break*

**17:00-17:30 (20+10): Shu He** (CCNU)

*“Effects of Nuclear Potential on the Baryon Number Fluctuations in Au+Au Collisions from JAM Model”*

**18:00-** *Dinner at Guiyuan hotel*

## Oct.25 (Tue)

**9:00-9:50 (40+10): Dr. Stefano Carignano** (INFN-LNGS)

*“Crystalline chiral condensates”*

**9:50-10:30 (30+10): Dr. Koichi Hattori** (Fudan Univ.)

*“Kondo effects in QCD matter”*

**10:30-11:00** *Coffee break*

**11:00-11:50 (40+10): Dr. Yoshimasa Hidaka** (RIKEN)

*“Spatially modulated chiral condensates in quark matter”*

**11:50-14:30** *Lunch at Guiyuan hotel*

**14:30-15:20 (40+10): Prof. Hyun Kyu Lee** (Hanyang Univ.)

*“Compact star matter and tidal deformation”*

**15:20-16:00** *Coffee break*

**16:00-16:50 (40+10): Prof. Yongliang Ma** (Jilin Univ.)

*“Chiral-scale effective theory including a dilatonic meson”*

**16:50-17:00** *Break*

**17:00-17:50 (40+10): Prof. Toru Kojo** (CCNU)

*“Quarkyonic stars”*

**18:00-** *Dinner at Guiyuan hotel*

## Oct.26 (Wed)

**9:00-9:50 (40+10): Prof. Zhigang Xiao** (Tsinghua Univ.)

*“Studies of the phase diagram in high net baryon density region with CEE”*

**9:50-10:30 (30+10): Dr. Gaoqing Cao** (Fudan Univ.)

*“A ‘quarkyonic matter’ like phase at high isospin density”*

**10:30-11:00** *Coffee break*

**11:00-12:00 (50+10): Dr. Alexei Tsvelik** (BNL)

*“Particle Formation and Ordering in a Model of (1+1)-Quantum Chromodynamics”*

**12:00-** *Lunch at Guiyuan hotel*

**15:00-16:00 (45+15) :** (Web seminar) Dr. Victor Braguta (ITEP)

*“Lattice studies for two-color QCD”*

## Oct.27 (Thu)

**9:00-9:50 (40+10): Prof. Vivian Incera** (City Univ. of New York, College of Staten Island)  
*“Dissipationless Electric Transport in Dense Quark Matter in a Magnetic Field”*

**9:50-10:30 (30+10): Ms. Jingyi Chao** (IMP)  
*“Pion Condensates in an electromagnetic environment at finite temperature”*

**10:30-11:00** *Coffee break*

**11:00-11:50 (40+10): Prof. Efrain Ferrer** (City Univ. of New York, College of Staten Island)  
*“Inverse magnetic catalysis in strongly magnetized quark matter”*

**11:50-14:30** *Lunch at Guiyuan hotel*

**14:30-15:20 (40+10): Prof. Xu-Guang Huang** (Fudan Univ.)  
*“Novel superfluidity in nuclear matter”*

**15:20-16:00** *Coffee break*

**16:00-16:50 (40+10): Prof. Shu Lin** (Sun Yat-Sen Univ.)  
*“Pseudoscalar condensate in baryonic matter with magnetic field”*

**16:50-17:0** *Break*

**17:00-17:50 (40+10): Prof. Kenji Fukushima** (Tokyo Univ.)  
*“Quarkyonic matter as realized in a quantum percolation picture”*

**18:00-** *Banquet*

## Oct.28 (Fri)

**10:00-10:50 (40+10): Prof. Naoki Yamamoto** (Keio Univ.)  
*“Chiral transport of neutrinos in supernova”*

**10:50-11:20** *Coffee break*

**11:20-12:10 (40+10): Prof. Heng-Tong Ding** (CCNU)  
*“Lattice QCD at finite baryon density”*

**12:10-** *Closing remark and lunch at Guiyuan hotel*