

YITP long-term workshop

New Frontiers in QCD 2018

- Confinement, Phase Transition, Hadrons, and Hadron Interactions -

May 28 - June 29, 2018

Yukawa Institute for Theoretical Physics, Kyoto University

Timetable of the 1st week (May 28 - June 1)

<u>May 28 (Mon.)</u>	<u>May 29 (Tue.)</u>	<u>May 30 (Wed.)</u>	<u>May 31 (Thu.)</u>	<u>June 1 (Fri.)</u>
9:30-10:30 D. Blaschke	9:30-10:30 V. Bornyakov	9:30-10:30 J. Blaizot	9:30-10:30 C. Sasaki	9:30-10:30 A. Andrianov
10:30-11:00 Coffee	10:30-11:00 Coffee	10:30-11:00 Coffee	10:30-11:00 Coffee	10:30-11:00 Coffee
11:00-12:00 T. Tatsumi	11:00-12:00 K. Kondo	11:00-12:00 T. Doi	11:00-12:00 K. Fukushima	11:00-12:00 M. Ruggieri
			14:00-14:30 R. Matsudo 14:30-15:00 M. Warschinke 15:00-15:30 K. Maslov	
15:00-15:30 Coffee	15:00-15:30 Coffee	15:00-15:30 Coffee	15:30-16:00 Coffee	15:00-15:30 Coffee
			16:00-16:30 M. Ferreira 16:30-17:00 X. Wu 17:00-17:30 K. Mameda	

May 28 (Mon)

- 9:30-10:30 David Blaschke (JINR Dubna)
"Towards a unified quark-hadron equation of state"
- 10:30-11:00 coffee
- 11:00-12:00 Toshitaka Tatsumi (Kyoto U.)
"Anomalous Hall effect in dense QCD matter"
- 15:00-15:30 coffee

May 29 (Tue)

- 9:30-10:30 Vitaly Bornyakov (IHEP)
"New results on confinement problem from Lattice QCD"
- 10:30-11:00 coffee
- 11:00-12:00 Kei-Ichi Kondo (Chiba U.)
"Understanding quark confinement through the gauge-independent Brout-Englert-Higgs mechanism"
- 15:00-15:30 coffee

May 30 (Wed)

- 9:30-10:30 Jean-Paul Blaizot (ITP, Saclay)
"TBA"
- 10:30-11:00 coffee
- 11:00-12:00 Takahiro Doi (RIKEN)
"TBA"
- 15:00-15:30 coffee

May 31 (Thu)

- 9:30-10:30 Chihiro Sasaki (Wroclaw U.)
"Modeling hot and dense QCD in effective theory"
- 10:30-11:00 coffee
- 11:00-12:00 Kenji Fukushima (Tokyo U.)
"Domain-walls and vortices in dense quark matter"
- 14:00-14:30 Ryutaro Matsudo (Chiba U.)
"Suitable operator to test the Abelian dominance for sources in higher representation"
- 14:30-15:00 Matthias Warschinke (Chiba U.)
"Composite operator and condensate in $SU(N)$ Yang-Mills theory with $U(N-1)$ stability group"
- 15:00-15:30 Konstantin Maslov (JINR)
"Model dependence of the pasta-structure effects in the quark-hadron mixed phase"
- 15:30-16:00 coffee
- 16:00-16:30 Mercio Rafael Baptista Ferreira (Coimbra U.)
"Magnetized QCD phase diagram"
- 16:30-17:00 Xuhao Wu (YITP)
"Rho meson effect in hadron-quark phase transition"
- 17:00-17:30 Kazuya Mameda (Fudan U.)
"Rotating/magnetized fermionic matter confined in a finite-size system"

June 1 (Fri)

- 9:30-10:30 Aleksandr Andrianov (Saint-Petersburg State U.)
"Chiral Imbalance in Heavy Ion collisions"
- 10:30-11:00 coffee
- 11:00-12:00 Marco Ruggieri (Lanzhou U.)
"Evolving Glasma in high energy pp and pA collisions"
- 15:00-15:30 coffee