

HHIQCD 2015 PROGRAM (19 Mar.)

For the latest information, please check the following url:

<http://www2.yukawa.kyoto-u.ac.jp/~hhiqcd.ws/schedule.html#0319>

Chair: J. Lattimer

- 09:30 - 10:00 **Tatsuyuki Takatsuka** (Nishina center, RIKEN)
Maximum mass of neutron stars with hadron-quark transient core
- 10:00 - 10:30 **Akira Ohnishi** (Yukawa Institute for Theoretical Physics, Kyoto University)
Neutron star matter EOS in RMF with multi-body couplings
- 10:30 - 11:00 *Coffee*

Chair: S. Sharpe

- 11:00 - 11:30 **Teiji Kunihiro** (Department of Physics, Kyoto University)
The nature of the sigma meson and the soft modes of the QCD critical points
- 11:30 - 12:00 **Kouji Kashiwa** (Yukawa Institute for Theoretical Physics, Kyoto University)
Investigation of QCD phase structures from imaginary chemical potential region by using effective models
- 12:00 - 12:30 **Norihiko Kamata** (Tohoku University)
Improved approach of Gradient Flow for thermodynamic quantities in lattice QCD
- 12:30 - 14:00 *Lunch*

Chair: T. Onogi

- 14:00 - 14:30 **Takumi Iritani** (Yukawa Institute for Theoretical Physics, Kyoto University)
Partial restoration of chiral symmetry and modification of non-perturbative properties inside color flux
- 14:30 - 15:00 **Ahmed Saad Bakry** (Institute of Modern Physics, Chinese Academy of Sciences)
Baryonic strings in Pure Yang-Mills theory and algorithm for noise reduction
- 15:00 - 15:30 **Takahiro Doi** (Kyoto University)
Contribution to the Polyakov loop from low-lying Dirac mode in QCD
- 15:30 - 16:00 *Coffee*

Chair: L. Del Debbio

- 16:00 - 16:30 **Takashi Suzuki** (Particle Physics Theory Group, Department of Physics, Osaka university)
Extracting the electro-magnetic pion form factor from QCD in a finite volume
- 16:30 - 17:00 **Hidenori Fukaya** (Osaka University)
Extracting the eta-prime meson mass from the gluonic correlators in lattice QCD
- 18:00 - *Party*