

Dear all,

We are planning to have a YITP international workshop on "Meson in Nucleus" from 31st July to 2nd August 2016 at Yukawa Institute for Theoretical Physics, Kyoto University. Further information will be announced later.

This workshop is one of the satellite workshops of MENU 2016 (<http://menu2016.riken.jp>) held from 26th to 30th July in Kyoto. We would be grateful if you could distribute this announcement widely.

First Circular

YITP international workshop on Meson in Nucleus
31st July (Sun.) to 2nd August (Tue.) 2016
Yukawa Institute for Theoretical Physics, Kyoto University

- Date

31st July to 2nd August 2016

- Place

Yukawa Institute for Theoretical Physics, Kyoto University

-Brief description-

The workshop will focus on recent experimental and theoretical development of meson in nucleus and in-medium properties of hadron from the fundamental theory of the strong interaction, Quantum Chromodynamics. The topics covered by the workshop will be

- Fundamental theories of QCD

Chiral symmetry, axial U(1) anomaly, quark confinement and so on

- Mesonic atoms

Pionic atoms, kaonic atoms

their precision spectroscopy, structures and formation reactions

- Mesonic nuclei

Kaonic nuclei, eta and eta' mesic nuclei and so forth and their spectroscopy and their structures and formation reactions

- Hadron formation in nuclear medium and the spectroscopy In-medium production of hadrons and their spectroscopy
- Hadron-hadron interaction
Fundamental data for the interaction such as scattering length measurement
- Baryon resonances
Structures of baryon resonances such as $\Lambda(1405)$ and $N^*(1535)$
- Charmed hadrons
D meson, Λ_c and so forth and their in-medium properties
- New facilities
Planned extension of the hadron hall at J-PARC, FAIR and so forth and related subjects.

This workshop is a satellite workshop of the MENU 2016 held in Kyoto from 26th to 30th July 2016.

We are looking forward to seeing you in Kyoto.

Organizers:

Teiji Kunihiro (chair) (Kyoto Univ.)
Hiroyuki Fujioka (Kyoto Univ.)
Satoru Hirenzaki (Nara Women's Univ.)
Tetsuo Hyodo (YITP)
Takatsugu Ishikawa (Tohoku Univ.)
Kenta Itahashi (RIKEN)
Hiroki Kanda (Tohoku Univ.)
Hideko Nagahiro (Nara Women's Univ.)
Kyoichiro Ozawa (KEK, Univ. Tokyo)
Shigehiro Yasui (Tokyo Tech.)
Satoshi Yokkaichi (RIKEN)