

The 52th Reimei Workshop “Experimental and Theoretical Hadron Physics: Recent Exciting Developments”

Wednesday, January 9, 2019

09:00 - 09:45 Registration

09:45 (10') Opening Address

Ken Hicks and Hiroyuki Sako

Session Chair: Ken Hicks

09:55 (25') Exclusive Drell-Yan for studying GPDs at J-PARC

Wen-Chen Chang (Inst. of Physics, Academia Sinica)

10:20 (25') Pion and Nucleon Structure from Lattice QCD

David Richards (Jefferson Lab.)

10:45 (15') **Break**

11:00 (25') Deeply virtual meson production with CLAS and CLAS12

Stefan Diehl (Univ. of Connecticut)

11:25 (25') Baryon resonance studies at SPring-8 LEPS2/BGOegg experiments

Norihito Muramatsu (ELPH, Tohoku Univ.)

11:50 **Photo session and Lunch**

Session Chair: Liguang Tang

13:00 (25') Lambda-Nuclear Scattering Cross Sections from CLAS

Ken Hicks (Ohio Univ.)

13:25 (25') Current status of Sigma p scattering experiment at J-PARC

Koji Miwa (Tohoku Univ.)

13:50 (40') Keynote Talk: Measurements of GPDs at Jefferson Lab and Elsewhere

Kyungseon Joo (Univ. of Connecticut)

14:30 (15') **Break**

Session Chair: Kyungseon Joo

14:45 (25') Results of experimental search for KbarNN bound state at J-PARC

Takumi Yamaga (RCNP, Osaka Univ.)

15:10 (25') Theoretical analysis on the peak structure observed in the J-PARC E15 experiment

Takayasu Sekihara (JAEA)

15:35 (25') E31 “Lambda (1405) from K- d reaction”

Hidemitsu Asano (RIKEN)

16:00 (25') Kaonic atom x-ray spectroscopy at J-PARC

Shinji Okada (RIKEN)

16:25 (15') **Break**

Session Chair: David Richards

16:40 (25') JLab experiment: Search for Lambda- Λ resonance

Liguang Tang (Hampton Univ.)

17:05 (25') Prospects of hypernuclear weak-decay studies with the tagged photon beam

Sho Nagao (ELPH, Tohoku Univ.)

17:30 (25') $\Lambda^5\text{He}$ from short range effective theory

Lorenzo Contessi (Hebrew Univ. of Jerusalem)

18:00 **Poster Session**

18:30-20:30 **Reception party**

Thursday, January 10, 2019

Session Chair: Kiyoshi Tanida

09:30 (40') LHCb results on exotic states and hadron spectroscopy

Zhenwei Yang (Tsinghua Univ.)

10:10 (25') Quark Model estimate of the hidden-charm pentaquark

Emiko Hiyama

10:35 (20') **Break**

Session Chair: Wen-Chen Chang

10:55 (25') Excited Omega_c interpreted as heavy pentaquarks

Hyun-Chul Kim (JAEA/Inha Univ.)

11:20 (25') E50 at High-momentum beamline

Hiroyuki Noumi (RCNP, Osaka Univ.)

11:45 (25') Recent results of charmed and strange baryons at Belle

Mizuki Sumihama (Gifu Univ.)

12:10 **Lunch**

Session Chair: Atsushi Hosaka

13:15 (25') Electromagnetic Properties of the Baryon Decuplet

June-Young Kim (Inha Univ.)

13:40 (25') Pion Induced Production of Charmed Baryons

Sangin Shim (RCNP, Osaka Univ.)

14:05 (25') Two-pion emission decays of charmed baryons

Jafar Arifi (RCNP, Osaka Univ.)

14:30 (25') omega; photoproduction on the proton near the threshold

Takatsugu Ishikawa (ELPH, Tohoku Univ.)

14:55 (20') **Break**

Session Chair: Hirokazu Tamura

15:15 (40') Programs with HypTPC

Yudai Ichikawa (JAEA)

15:55 (25') Newly observed double strangeness nuclei in the J-PARC E07 experiment

Hiroyuki Ekawa (JAEA/Kyoto Univ.)

16:20 (25') Missing mass spectroscopy of Xi hypernuclei at J-PARC (E70)

Toshiyuki Gogami (Kyoto Univ.)

16:45 (25') Status of X-ray spectroscopic experiment on Fe-Xi atom (J-PARC E03)

Takeshi O. Yamamoto (JAEA)

18:00 – 20:00 **Banquet**

Friday, January 11, 2019

Session Chair: Susumu Sato (JAEA)

09:30 (30') J-PARC Heavy-Ion Program

Hiroyuki Sako (JAEA)

10:00 (30') Beam Energy Scan at RHIC

Shinichi Esumi (Univ. of Tsukuba)

10:30 (30') **Break**

11:00 (30') Effective model analysis of in-medium eta' mass reduction observed in two-pion Bose-Einstein correlations at RHIC

Masahiro Ishii (Kyushu Univ.)

11:30 (30') Nuclear physics experiments at JAEA tandem

Katsuhisa Nishio (JAEA)

12:00 (30') Study of density dependent asymmetric nuclear EoS by using heavy RI collisions at RIKEN-RIBF

Tadaaki Isobe (RIKEN)

12:30 **Lunch**

Session Chair: Hiroyuki Sako (JAEA)

13:30 (30') Fluctuations in Lattice QCD

Atsushi Nakamura (Far Eastern Federal Univ.)

14:00 (30') Lee-Yang zeros from canonical approach in lattice QCD and an effective model

Masayuki Wakayama (RCNP, Osaka Univ.)

14:30 (30') Dynamically integrated transport model for heavy ion collisions at J-PARC-HI

Yasushi Nara (Akita International Univ.)

15:00 (30') **Break**

Session Chair: Yasushi Nara (Akita International Univ.)

15:30 (30') Baryon properties in nuclear matter

Ulugbek Yakhshiev (Inha Univ.)

16:00 (30') Hyperons in nuclear matter (tentative title)

Ki-Hoon Hong (Inha Univ.)

16:30 (30') Hot dense matter in core-collapse supernovae and heavy ion collisions

Kohsuke Sumiyoshi (National Institute of Technology, Numazu College)

17:00 **Summary**