

**2016 JAEA/ASRC Reimei
Workshop : New exotic
hadron matter at J-PARC**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening

Monday, 24 October 2016 09:50 (10 minutes)

Presenter: Prof. OKA, Makoto (Tokyo Tech. / JAEA)

Session Classification: 24_1st

Contribution ID: 2

Type: **not specified**

H-Dibaryon Search via $^{12}\text{C}(\text{K}^-, \text{K}^+) \text{ Reaction}$

Monday, 24 October 2016 14:55 (25 minutes)

Presenter: Prof. AHN, Jung Keun (Korea University)

Session Classification: 24_3rd

Contribution ID: 3

Type: **not specified**

Opportunities in Diquark Physics

Monday, 24 October 2016 10:00 (30 minutes)

Presenter: Prof. FUKUSHIMA, Kenji (The University of Tokyo)

Session Classification: 24_1st

Contribution ID: 4

Type: **not specified**

Experimental study of high density QCD at J-PARC-HI

Monday, 24 October 2016 10:30 (30 minutes)

Presenter: Dr SAKAGUCHI, Takao (Brookhaven National Laboratory)

Session Classification: 24_1st

Contribution ID: 5

Type: **not specified**

Exotic production at STAR

Monday, 24 October 2016 11:15 (30 minutes)

Presenter: Dr TANG, Aihong (Brookhaven National Laboratory)

Session Classification: 24_2nd

Contribution ID: 6

Type: **not specified**

Medium modification of charmed meson masses based on an effective chiral model

Monday, 24 October 2016 11:45 (25 minutes)

Presenter: Prof. HARADA, Masayasu (Department of Physics, Nagoya University)

Session Classification: 24_2nd

Contribution ID: 7

Type: **not specified**

Current matrix elements in HAL QCD method of lattice hadron potentials

Monday, 24 October 2016 14:00 (30 minutes)

Presenter: Prof. ISHII, Noriyoshi (RCNP, Osaka University)

Session Classification: 24_3rd

Contribution ID: 8

Type: **not specified**

Strange dibaryons in coupled-channel scattering from lattice QCD

Monday, 24 October 2016 14:30 (25 minutes)

Presenter: Dr SASAKI, Kenji (YITP, Kyoto University)

Session Classification: 24_3rd

Contribution ID: 9

Type: **not specified**

Experimental study of double hypernuclei at J-PARC

Monday, 24 October 2016 15:20 (20 minutes)

Presenter: Mr EKAWA, Hiroyuki (Kyoto University)

Session Classification: 24_3rd

Contribution ID: 10

Type: **not specified**

Kbar-nucleus interaction studied by $^{12}\text{C}(\text{K}^-, \text{p})$ spectrum

Monday, 24 October 2016 16:00 (20 minutes)

Presenter: Dr ICHIKAWA, Yudai (JAEA)

Session Classification: 24_4th

Contribution ID: 11

Type: **not specified**

Few-body approach for structure of light kaonic nuclei

Monday, 24 October 2016 16:20 (20 minutes)

Presenter: Dr OHNISHI, Shota (Hokkaido University)

Session Classification: 24_4th

Contribution ID: 12

Type: **not specified**

Effects of structurization of dense matter

Monday, 24 October 2016 16:40 (20 minutes)

Presenter: Dr MARUYAMA, Toshiki (Japan Atomic Energy Agency)

Session Classification: 24_4th

Contribution ID: 13

Type: **not specified**

Analysis of nucleon form factors in lattice QCD

Monday, 24 October 2016 17:00 (20 minutes)

Presenter: Mr TSUKAMOTO, Natsuki (Department of Science, Tohoku University)

Session Classification: 24_4th

Contribution ID: 14

Type: **not specified**

In-medium modified nucleons and EOS of nuclear matter

Monday, 24 October 2016 17:35 (25 minutes)

Presenter: Prof. YAKHSHIEV, Ulugbek (Inha University)

Session Classification: 24_5th

Contribution ID: 15

Type: **not specified**

The γ p \rightarrow f1 (1285) p reaction in the effective Lagrangian approach

Monday, 24 October 2016 18:00 (20 minutes)

Presenter: Dr HUTAURUK, Parada (Asia Pacific for Theoretical Physics (APCTP))

Session Classification: 24_5th

Contribution ID: 16

Type: **not specified**

Photoproduction of $\Lambda(1405)$ with the nucleon-resonance and Regge contributions

Monday, 24 October 2016 18:20 (20 minutes)

Presenter: Dr KIM, Sangho (APCTP, POSTECH)

Session Classification: 24_5th

Contribution ID: 17

Type: **not specified**

Hadron Spectroscopy experiments at J-PARC and Elsewhere

Tuesday, 25 October 2016 09:00 (30 minutes)

Presenter: Prof. HICKS, Kenneth (Ohio University)

Session Classification: 25_1st

Contribution ID: **18**

Type: **not specified**

LHCb results of exotic hadrons

Tuesday, 25 October 2016 09:30 (30 minutes)

Presenter: Prof. YANG, Zhenwei (Tsinghua University (CN))

Session Classification: 25_1st

Contribution ID: 19

Type: **not specified**

Comprehensive study of $S = -1$ hyperon resonances via the coupled-channels analysis of $K^- p$ and $K^- d$ reactions

Tuesday, 25 October 2016 10:00 (30 minutes)

Presenter: Dr KAMANO, Hiroyuki (KEK)

Session Classification: 25_1st

Contribution ID: 20

Type: **not specified**

Five calculation of heavy pentaquark

Tuesday, 25 October 2016 11:15 (25 minutes)

Presenter: Prof. HIYAMA, Emiko (RIKEN)

Session Classification: 25_2nd

Contribution ID: 21

Type: **not specified**

Hidden charm pentaquarks in the QCD sum rule

Tuesday, 25 October 2016 11:40 (25 minutes)

Presenter: Prof. CHEN, Hua-Xing (Beihang University)

Session Classification: 25_2nd

Contribution ID: 22

Type: **not specified**

An overview of recent results from LEPS at SPring-8

Tuesday, 25 October 2016 12:05 (25 minutes)

Presenter: Ms RYU, Sun Young (RCNP, Osaka University)

Session Classification: 25_2nd

Contribution ID: 23

Type: **not specified**

Current status of Lambda(1405)

Tuesday, 25 October 2016 14:00 (30 minutes)

Presenter: Prof. HYODO, Tetsuo (Yukawa Institute for Theoretical Physics, Kyoto University)

Session Classification: 25_3rd

Contribution ID: 24

Type: **not specified**

Finite-Volume Hamiltonian Method for Baryon Spectrum

Tuesday, 25 October 2016 14:30 (30 minutes)

Presenter: Dr WU, Jiajun (University of Adelaide)

Session Classification: 25_3rd

Contribution ID: 25

Type: **not specified**

Kaon-Nucleon scattering states in the Skyrme model

Tuesday, 25 October 2016 15:00 (20 minutes)

Presenter: Mr EZOE, Takashi (RCNP, Osaka University)

Session Classification: 25_3rd

Contribution ID: 26

Type: **not specified**

Hadron Physics at BESIII

Tuesday, 25 October 2016 15:20 (25 minutes)

Presenter: Dr MIN, Tianjue (Institute of High Energy Physics, China)

Session Classification: 25_3rd

Contribution ID: 27

Type: **not specified**

Status of XYZ states

Tuesday, 25 October 2016 16:05 (30 minutes)

Presenter: Prof. CHOI, Sookyung (Gyeongsang National University)

Session Classification: 25_4th

Contribution ID: 28

Type: **not specified**

Charm exotic hadrons in coupled-channel scattering from lattice QCD

Tuesday, 25 October 2016 16:35 (25 minutes)

Presenter: Prof. IKEDA, Yoichi (RCNP, Osaka University)

Session Classification: 25_4th

Contribution ID: 29

Type: **not specified**

Mass shift of Λ_c baryon in nuclear matter from QCD sum rule

Tuesday, 25 October 2016 17:00 (20 minutes)

Presenter: Dr OHTANI, Keisuke (Tokyo Institute of Technology)

Session Classification: 25_4th

Contribution ID: **30**

Type: **not specified**

Heavy baryons based on pion mean fields

Tuesday, 25 October 2016 17:35 (25 minutes)

Presenter: Prof. KIM, Hyun-Chul (Inha University)

Session Classification: 25_5th

Contribution ID: 31

Type: **not specified**

Reactions of Xi production

Tuesday, 25 October 2016 18:00 (25 minutes)

Presenter: Prof. OH, Yongseok (Kyungpook National University)

Session Classification: 25_5th

Contribution ID: 32

Type: **not specified**

Two-body wave functions and compositeness from scattering amplitudes

Tuesday, 25 October 2016 18:25 (20 minutes)

Presenter: Dr SEKIHARA, Takayasu (Japan Atomic Energy Agency)

Session Classification: 25_5th

Contribution ID: 33

Type: **not specified**

Hypernuclear Studies at MAMI and PANDA

Wednesday, 26 October 2016 09:00 (30 minutes)

Presenter: Prof. ACHENBACH, Patrick (Mainz University)

Session Classification: 26_1st

Contribution ID: **34**

Type: **not specified**

TBA

Presenter: Prof. LUTZ, Matthias F.M. (GSI and TU Darmstadt)

Session Classification: 26_1st

Contribution ID: 35

Type: **not specified**

Xi_c spectroscopy at Belle

Wednesday, 26 October 2016 09:30 (25 minutes)

Presenter: Dr TANIDA, Kiyoshi (Advanced Science Research Center, Japan Atomic Energy Agency)

Session Classification: 26_1st

Contribution ID: 36

Type: **not specified**

Resent Lambda_c results for BESIII

Wednesday, 26 October 2016 09:55 (25 minutes)

Presenter: Dr PENG, Haiping (USTC)

Session Classification: 26_1st

Contribution ID: 37

Type: **not specified**

Structure of charmed baryons studied by pionic decays

Wednesday, 26 October 2016 10:50 (25 minutes)

Presenter: Prof. NAGAHIRO, Hideko (Nara Women's University)

Session Classification: 26_2nd

Contribution ID: **38**

Type: **not specified**

Recent results of J-PARC E13

Wednesday, 26 October 2016 11:15 (25 minutes)

Presenter: Dr YANG, Seongbae (Seoul National University)

Session Classification: 26_2nd

Contribution ID: 39

Type: **not specified**

Investigation of the trineutron in pionless effective field theory

Wednesday, 26 October 2016 11:40 (25 minutes)

Presenter: Prof. ANDO, Shung-Ichi (Sunmoon University)

Session Classification: 26_2nd

Contribution ID: 40

Type: **not specified**

Structure of Nucleons at Jefferson Lab

Wednesday, 26 October 2016 13:30 (30 minutes)

Presenter: Prof. CHOI, Seonho (Seoul National University)

Session Classification: 26_3rd

Contribution ID: 41

Type: **not specified**

Study of baryon resonances and meson-nucleon interactions using photoproduction reactions at ELPH

Wednesday, 26 October 2016 14:00 (25 minutes)

Presenter: Prof. ISHIKAWA, Takatsugu (ELPH, Tohoku University)

Session Classification: 26_3rd

Contribution ID: 42

Type: **not specified**

Interesting things happen at thresholds

Wednesday, 26 October 2016 14:25 (30 minutes)

Presenter: Dr OLSEN, Stephen (Center for Underground Physics, Institute for Basic Science)

Session Classification: 26_3rd

Contribution ID: 43

Type: **not specified**

Closing

Wednesday, 26 October 2016 14:55 (20 minutes)

Presenter: Prof. KIM, Hyun-Chul (Inha University)

Session Classification: 26_3rd

Contribution ID: 44

Type: **not specified**

Sterile Neutrino Search at J-PARC/MLF

Monday, 24 October 2016 18:40 (25 minutes)

Presenter: Dr HASEGAWA, Shoichi (JAEA)

Session Classification: 24_5th

Contribution ID: 45

Type: **not specified**

Oppurtunities for S=-2 and S=-3 baryons at JLAB 12GeV

Tuesday, 25 October 2016 10:50 (25 minutes)

Presenter: Prof. GUO, Lei (Florida International University)

Session Classification: 25_2nd