

# **The 3rd Korea-Japan Workshop on Nuclear and Hadron Physics at J-PARC**

## **Report of Contributions**

Contribution ID: 3

Type: **not specified**

## Opening Remark

*Thursday 20 March 2014 09:00 (10 minutes)*

**Presenter:** Prof. TANIDA, Kiyoshi (Seoul National University)

**Session Classification:** Opening

Contribution ID: 4

Type: **not specified**

## **The present status of the experiments at J-PARC (Tentative)**

*Thursday 20 March 2014 09:10 (30 minutes)*

**Presenter:** Prof. IKEDA, Yujiro

**Session Classification:** Introduction to J-PARC

Contribution ID: 6

Type: **not specified**

## **New results from QCD Sum Rules (tentative)**

*Thursday 20 March 2014 10:40 (30 minutes)*

**Presenter:** Prof. OKA, Makoto (Tokyo Institute of Technology, Japan)

**Session Classification:** Theories for J-PARC physics

Contribution ID: 7

Type: **not specified**

## **Digital electronics for Hyperball Ge detectors**

*Friday 21 March 2014 13:30 (25 minutes)*

**Presenter:** Prof. KOIKE, Takeshi (Tohoku University)

**Session Classification:** Experimental techniques at J-PARC

Contribution ID: 8

Type: **not specified**

## **International Collaboration Platform for Strangeness Nuclear Physics**

*Thursday 20 March 2014 13:00 (25 minutes)*

**Presenter:** Prof. NAKAMURA, Satoshi N. (Tohoku University)

**Session Classification:** Strangeness at J-PARC

Contribution ID: 9

Type: **not specified**

## **Charmed baryon spectroscopy experiment at J-PARC high-p beam line**

*Thursday 20 March 2014 17:10 (25 minutes)*

**Presenter:** Mr SHIROTORI, Kotaro (RCNP)

**Session Classification:** Charm physics at J-PARC

Contribution ID: **10**

Type: **not specified**

## **Overview of the strangeness physics program at MAMI**

*Thursday 20 March 2014 13:25 (25 minutes)*

**Presenter:** Prof. TSUKADA, Kyo (Tohoku University)

**Session Classification:** Strangeness at J-PARC



Contribution ID: 11

Type: **not specified**

## **K-pp studied with coupled-channel Complex Scaling Method + Feshbach method**

*Friday 21 March 2014 11:00 (25 minutes)*

**Presenter:** Prof. DOTE, Akinobu (KEK Theory Center)

**Session Classification:** Kaonic systems and nuclear matter

Contribution ID: 12

Type: **not specified**

## **Prospect of A=4 hypernuclear spectroscopy with Hyperball-J**

*Thursday 20 March 2014 15:55 (25 minutes)*

**Presenter:** Prof. UKAI, Mifuyu (Tohoku University, Japan)

**Session Classification:** Few-body systems at J-PARC

Contribution ID: 13

Type: **not specified**

## **Charm nuclear systems with heavy quark symmetry**

*Thursday 20 March 2014 18:00 (25 minutes)*

**Presenter:** Dr YASUI, Shigehiro (Tokyo Institute of Technology)

**Session Classification:** Charm physics at J-PARC

Contribution ID: 14

Type: **not specified**

## Structure of S=-1 system

*Thursday 20 March 2014 15:00 (30 minutes)*

**Presenter:** Dr HIYAMA, Emiko (RIKEN, Japan)

**Session Classification:** Few-body systems at J-PARC

Contribution ID: 15

Type: **not specified**

## **The double-Lambda H-4 in halo effective field theory**

*Thursday 20 March 2014 15:30 (25 minutes)*

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

**Session Classification:** Few-body systems at J-PARC

Contribution ID: 16

Type: **not specified**

## **Heavy-light quarks interactions induced by QCD vacuum instantons**

*Thursday 20 March 2014 11:10 (30 minutes)*

**Presenter:** Prof. MUSAKHANOV, Mirzayusuf (National University of Uzbekistan)

**Session Classification:** Theories for J-PARC physics

Contribution ID: 17

Type: **not specified**

## **The $\eta'$ -N interaction and $\eta'$ -optical potential**

*Friday 21 March 2014 09:50 (25 minutes)*

**Presenter:** Mr SAKAI, Shuntaro (Kyoto University)

**Session Classification:** Strangeness physics at J-PARC

Contribution ID: **18**

Type: **not specified**

## **J-PARC E07, Systematic study of double-strangeness nuclei with hybrid-emulsion method**

*Friday 21 March 2014 09:00 (25 minutes)*

**Presenter:** Dr YOSHIDA, Junya (Gifu University)

**Session Classification:** Strangeness physics at J-PARC



Contribution ID: 20

Type: **not specified**

## **Deformations of sd and pf shell $\Lambda$ hypernuclei with AMD**

*Friday 21 March 2014 17:45 (25 minutes)*

**Presenter:** Dr ISAKA, Masahiro (RIKEN, Nishina center, Japan)

**Session Classification:** Hyperons and Hypernuclei

Contribution ID: 21

Type: **not specified**

## **Charmed baryons at J-PARC(tentative)**

*Thursday 20 March 2014 16:40 (30 minutes)*

**Presenter:** Prof. HOSAKA, Atsushi (RCNP)

**Session Classification:** Charm physics at J-PARC

Contribution ID: 25

Type: **not specified**

## Hypernuclear production by ( $K^-$ , $\pi^-$ ) reaction at $p_{\{K\}}=1.5, 1.8$ GeV/c

*Friday 21 March 2014 09:25 (25 minutes)*

**Presenter:** Mr YAMAMOTO, Takeshi (Tohoku University)

**Session Classification:** Strangeness physics at J-PARC

Contribution ID: 26

Type: **not specified**

## **Development of a detector system to detect scattered protons for the #Sigma p scattering experiment**

*Friday 21 March 2014 15:10 (25 minutes)*

**Presenter:** Mr AKAZAWA, Yuya (Tohoku University)

**Session Classification:** Experimental techniques at J-PARC

Contribution ID: 27

Type: **not specified**

## **Pion induced productions of charmed baryons at J-PARC**

*Friday 21 March 2014 16:05 (25 minutes)*

**Presenter:** Mr KIM, Sang-Ho (RCNP)

**Session Classification:** Hyperons and Hypernuclei

Contribution ID: 28

Type: **not specified**

## **Prospects of hypernuclear experiments at MAMI-C**

*Friday 21 March 2014 16:30 (25 minutes)*

**Presenter:** Mr NAGAO, Sho (Tohoku University)

**Session Classification:** Hyperons and Hypernuclei

Contribution ID: 29

Type: **not specified**

## **Aerogel Cherenkov counter system of E13 experiment for the $(K^-, \pi^-)$ reaction**

*Friday 21 March 2014 13:55 (25 minutes)*

**Presenter:** Mr TANABE, Kosuke (Tohoku University)

**Session Classification:** Experimental techniques at J-PARC

Contribution ID: 30

Type: **not specified**

## **In-beam performance of beam Kaon decay counters: SP0 and SMF for the E13 first phase experiment**

*Friday 21 March 2014 14:45 (25 minutes)*

**Presenter:** Mr SASAKI, Yuki (Tohoku University)

**Session Classification:** Experimental techniques at J-PARC



Contribution ID: 31

Type: **not specified**

## **Performance of Hyperball-J with hadronic beams on target**

*Friday 21 March 2014 14:20 (25 minutes)*

**Presenter:** Mr YAMAMOTO, Yasutaka (Tohoku University)

**Session Classification:** Experimental techniques at J-PARC

Contribution ID: 32

Type: **not specified**

## **d(K<sup>-</sup>,n) reaction and structure of Lambda(1405)**

*Thursday 20 March 2014 14:15 (25 minutes)*

**Presenter:** Dr OHNISHI, Shota (Tokyo Inst. Tech./ RIKEN)

**Session Classification:** Strangeness at J-PARC

Contribution ID: 37

Type: **not specified**

## **In-medium modified energy-momentum tensor form factors in a $\pi$ - $\rho$ - $\omega$ meson model**

*Friday 21 March 2014 11:25 (25 minutes)*

**Presenter:** Mr JUNG, Ju-Hyun (Inha University)

**Session Classification:** Kaonic systems and nuclear matter

Contribution ID: **38**

Type: **not specified**

## **A search of deeply-bound kaonic nuclear states**

*Friday 21 March 2014 10:35 (25 minutes)*

**Presenter:** Mr INOUE, Kentaro (Osaka University)

**Session Classification:** Kaonic systems and nuclear matter

Contribution ID: 39

Type: **not specified**

## **Study of hyperon potentials from 2+1 Lattice QCD**

*Thursday 20 March 2014 13:50 (25 minutes)*

**Presenter:** Prof. NEMURA, Hidekatsu (University of Tsukuba)

**Session Classification:** Strangeness at J-PARC

Contribution ID: 41

Type: **not specified**

## Recent results from J-PARC

*Thursday 20 March 2014 09:40 (40 minutes)*

**Presenter:** Prof. TAMURA, Hirokazu (Tohoku University)

**Session Classification:** Introduction to J-PARC

Contribution ID: 42

Type: **not specified**

## **Lambda hypernuclear spectroscopy at Jefferson Lab**

*Friday 21 March 2014 17:20 (25 minutes)*

**Presenter:** Dr GOGAMI, Toshiyuki (Tohoku University, Japan)

**Session Classification:** Hyperons and Hypernuclei

Contribution ID: 43

Type: **not specified**

## Closing Remark

*Friday 21 March 2014 18:10 (10 minutes)*

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

**Session Classification:** Closing



Contribution ID: 44

Type: **not specified**

## **The PID counter for charm baryon spectroscopy at J-PARC**

*Thursday 20 March 2014 17:35 (25 minutes)*

**Presenter:** Mr YAMAGA, Takumi (RCNP)

**Session Classification:** Charm physics at J-PARC

Contribution ID: 45

Type: **not specified**

## **Alpha cluster structures in light hypernuclei**

*Friday 21 March 2014 16:55 (25 minutes)*

**Presenter:** Dr FUNAKI, Yasuro (Riken)

**Session Classification:** Hyperons and Hypernuclei