

Physics of RI: Recent progress and perspectives

Report of Contributions

Contribution ID: 3

Type: **not specified**

Alpha-cluster structure from first principles

Monday, 30 May 2022 14:00 (30 minutes)

Presenter: Dr ABE, Takashi (Center for Nuclear Study, The University of Tokyo)

Session Classification: Monday PM1

Contribution ID: 4

Type: **not specified**

Opening

Monday, 30 May 2022 09:30 (5 minutes)

Presenter: KIMURA, Masaaki (Hokkaido University)

Session Classification: Monday AM1

Contribution ID: 5

Type: **not specified**

Shell model study of chiral three-nucleon force

Tuesday, 31 May 2022 16:20 (30 minutes)

Presenter: FUKUI, Tokuro

Session Classification: Tuesday PM2

Contribution ID: 7

Type: **not specified**

Global analysis of nuclear pairing rotation

Monday, 30 May 2022 13:30 (30 minutes)

Presenter: HINOHARA, Nobuo (Center for Computational Sciences, University of Tsukuba)

Session Classification: Monday PM1

Contribution ID: 8

Type: **not specified**

Nuclear density profiles and structure of exotic nuclei

Tuesday, 31 May 2022 09:50 (30 minutes)

Presenter: HORIUCHI, Wataru (Osaka Metropolitan University)

Session Classification: Tuesday AM1

Contribution ID: 9

Type: **not specified**

TBA

Wednesday, 1 June 2022 11:20 (30 minutes)

Presenter: Dr LIANG, Haozhao (The University of Tokyo)

Session Classification: Wednesday AM2

Contribution ID: **10**

Type: **not specified**

Predictions of beta-decay half-lives and neutron capture cross sections of neutron-rich nuclei

Wednesday, 1 June 2022 14:20 (30 minutes)

Presenter: MINATO, Futoshi (Japan Atomic Energy Agency)

Session Classification: Wednesday PM2

Contribution ID: 11

Type: **not specified**

Unsolved issues of r-process nucleosynthesis due to nuclear-physics uncertainties

Wednesday, 1 June 2022 10:50 (30 minutes)

Presenter: Dr NISHIMURA, Nobuya (Riken)

Session Classification: Wednesday AM2

Contribution ID: 12

Type: **not specified**

Emerging challenges and scopes in nuclear structure

Tuesday, 31 May 2022 15:30 (30 minutes)

Presenter: OTSUKA, Takaharu (University of Tokyo)

Session Classification: Tuesday PM1

Contribution ID: 13

Type: **not specified**

What can we learn from the nuclear ground state densities?

Tuesday, 31 May 2022 17:20 (30 minutes)

Presenter: SAGAWA, HIROYUKI

Session Classification: Tuesday PM2

Contribution ID: 14

Type: **not specified**

Erosion of N=28 shell closure: Shape coexistence and monopole transition

Tuesday, 31 May 2022 09:20 (30 minutes)

Presenter: SUZUKI, Yoshiki

Session Classification: Tuesday AM1

Contribution ID: 15

Type: **not specified**

Recent findings about shell evolution in the neutron-rich Ca region

Tuesday, 31 May 2022 13:30 (30 minutes)

Presenter: UTSUNO, Yutaka (Japan Atomic Energy Agency)

Session Classification: Tuesday PM1

Contribution ID: 16

Type: **not specified**

Shapes, clustering, and fission dynamics

Tuesday, 31 May 2022 11:10 (30 minutes)

Presenter: VRETENAR, Dario (University of Zagreb)

Session Classification: Tuesday AM2

Contribution ID: 17

Type: **not specified**

Pairing in neutron-rich nuclei investigated by responses

Tuesday, 31 May 2022 11:40 (30 minutes)

Presenter: YOSHIDA, Kenichi (Kyoto University)

Session Classification: Tuesday AM2

Contribution ID: **18**

Type: **not specified**

Dineutron correlations in neutron-rich nuclei

Monday, 30 May 2022 10:25 (30 minutes)

Presenter: HAGINO, Kouichi (Department of Physics, Kyoto University)

Session Classification: Monday AM1

Contribution ID: 19

Type: **not specified**

A semi-microscopic approach to transfer reactions

Monday, 30 May 2022 11:25 (30 minutes)

Presenter: DESCOUVEMONT, Pierre (Université Libre de Bruxelles)

Session Classification: Monday AM1

Contribution ID: 20

Type: **not specified**

Cluster Correlations in Nuclear Matter and Heavy Nuclei (online)

Monday, 30 May 2022 16:50 (30 minutes)

Presenter: TYPPEL, Stefan (Technische Universität Darmstadt)

Session Classification: Monday PM2

Contribution ID: 21

Type: **not specified**

Time-Dependent Microscopic Approaches for Heavy-Ion Multinucleon Transfer Reactions: Recent Progress

Wednesday, 1 June 2022 13:00 (30 minutes)

Presenter: Dr SEKIZAWA, Kazuyuki (Tokyo Institute of Technology)

Session Classification: Wednesday PM1

Contribution ID: 22

Type: **not specified**

TBA

Wednesday, 1 June 2022 15:20 (30 minutes)

Presenter: Dr NIIKURA, Megumi (RIKEN Nishina Center)

Session Classification: Wednesday PM2

Contribution ID: 23

Type: **not specified**

Nuclear moment measurement: present and future

Monday, 30 May 2022 16:20 (30 minutes)

Presenter: ICHIKAWA, Yuichi (Kyushu University)

Session Classification: Monday PM2

Contribution ID: 24

Type: **not specified**

Past achievements and future perspectives for in-beam gamma-ray spectroscopy at the isospin frontier at the RIBF (online)

Tuesday, 31 May 2022 15:00 (30 minutes)

Presenter: DOORNENBAL, Pieter (RIKEN)

Session Classification: Tuesday PM1

Contribution ID: 25

Type: **not specified**

Nuclear-radius studies via reaction cross section measurements

Tuesday, 31 May 2022 10:20 (30 minutes)

Presenter: TANAKA, Masaomi (RIKEN Nishina Center)

Session Classification: Tuesday AM1

Contribution ID: 26

Type: **not specified**

Direct mass measurements around neutron-rich Ca region at SHARAQ

Tuesday, 31 May 2022 14:30 (30 minutes)

Presenter: MICHIMASA, Shin'ichiro (CNS, Univ. of Tokyo)

Session Classification: Tuesday PM1

Contribution ID: 27

Type: **not specified**

In-beam γ -ray spectroscopy by HiCARI germanium array

Tuesday, 31 May 2022 16:50 (30 minutes)

Presenter: SUZUKI, Daisuke (RIKEN Nishina Center)

Session Classification: Tuesday PM2

Contribution ID: 28

Type: **not specified**

Mass measurement with the Rare-RI Ring at RIBF/Riken

Wednesday, 1 June 2022 09:00 (30 minutes)

Presenter: Dr NAIMI, Sarah (Riken)

Session Classification: Wednesday AM1

Contribution ID: 29

Type: **not specified**

Experimental study of nuclear symmetry energy by using heavy ion reactions at RIBF

Monday, 30 May 2022 14:30 (30 minutes)

Presenter: ISOBE, Tadaaki (RIKEN)

Session Classification: Monday PM1

Contribution ID: 30

Type: **not specified**

Experimental studies of nuclei in the vicinity of the neutron drip line at SAMURAI

Monday, 30 May 2022 10:55 (30 minutes)

Presenter: KONDO, Yosuke (Tokyo Institute of Technology)

Session Classification: Monday AM1

Contribution ID: 31

Type: **not specified**

Spectroscopy of pionic atoms

Monday, 30 May 2022 15:00 (30 minutes)

Presenter: ITAHASHI, Kenta (RIKEN Nishina Center)

Session Classification: Monday PM1

Contribution ID: 32

Type: **not specified**

Physics of RI at RIBF (tentative)

Monday, 30 May 2022 09:35 (50 minutes)

Presenter: SAKURAI, Hiroyoshi (RIKEN Nishina Center for Accelerator-Based Science)

Session Classification: Monday AM1

Contribution ID: 33

Type: **not specified**

Physics of RI at FAIR (tentative, online)

Monday, 30 May 2022 17:20 (50 minutes)

Presenter: SIMON, Haik

Session Classification: Monday PM2

Contribution ID: 34

Type: **not specified**

Nuclear clusters probed with knockout reactions (online)

Tuesday, 31 May 2022 14:00 (30 minutes)

Presenter: Dr YANG, Zaihong (Peking University)

Session Classification: Tuesday PM1

Contribution ID: 35

Type: **not specified**

Present status of SCRIT electron scattering facility

Monday, 30 May 2022 15:50 (30 minutes)

Presenter: TSUKADA, kyo (ELPH)

Session Classification: Monday PM2

Contribution ID: 36

Type: **not specified**

Production of neutron-rich nuclei around $N=126$ and beyond using multinucleon transfer reactions at KISS project

Wednesday, 1 June 2022 13:30 (30 minutes)

Presenter: WATANABE, Yutaka (KEK)

Session Classification: Wednesday PM1

Contribution ID: 37

Type: **not specified**

Fission studies via the (p,2p) reaction in inverse kinematics at RIBF

Wednesday, 1 June 2022 10:00 (30 minutes)

Presenter: SASANO, Masaki (RIKEN Nishina Center)

Session Classification: Wednesday AM1

Contribution ID: **38**

Type: **not specified**

Nuclear Transmutation (TBA)

Wednesday, 1 June 2022 14:50 (30 minutes)

Presenter: KAWASE, Shoichiro (Kyushu University)

Session Classification: Wednesday PM2

Contribution ID: 39

Type: **not specified**

Beta-decay spectroscopy of neutron-rich nuclei at RIBF

Wednesday, 1 June 2022 09:30 (30 minutes)

Presenter: YOKOYAMA, Rin (CNS, the University of Tokyo)

Session Classification: Wednesday AM1