

Physics of RI: Recent progress and perspectives

Monday, 30 May 2022 - Wednesday, 1 June 2022

RIBF bldg (E01)
Programme

Monday 30 May 2022

Monday AM1 - RIBF201 (Conference Room) (09:30-11:55)

Opening

-Conveners: Masaaki Kimura

time	title	presenter
09:30	Opening	KIMURA, Masaaki
09:35	Physics of RI at RIBF (tentative)	SAKURAI, Hiroyoshi
10:25	Dineutron correlations in neutron-rich nuclei	HAGINO, Kouichi
10:55	Experimental studies of nuclei in the vicinity of the neutron drip line at SAMURAI	KONDO, Yosuke
11:25	A semi-microscopic approach to transfer reactions	DESCOUEMONT, Pierre

Lunch - RIBF201 (Conference Room) (11:55-13:30)

Monday PM1 - RIBF201 (Conference Room) (13:30-15:30)

-Conveners: Masayuki Yamagami

time	title	presenter
13:30	Global analysis of nuclear pairing rotation	HINOHARA, Nobuo
14:00	Alpha-cluster structure from first principles	ABE, Takashi
14:30	Experimental study of nuclear symmetry energy by using heavy ion reactions at RIBF	ISOBE, Tadaaki
15:00	Spectroscopy of pionic atoms	ITAHASHI, Kenta

break - RIBF201 (Conference Room) (15:30-15:50)

Monday PM2 - RIBF201 (Conference Room) (15:50-18:10)

-Conveners: Masaki Sasano

time	title	presenter
15:50	Present status of SCRIT electron scattering facility	TSUKADA, kyo
16:20	Nuclear moment measurement: present and future	ICHIKAWA, Yuichi
16:50	Cluster Correlations in Nuclear Matter and Heavy Nuclei (online)	TYPEL, Stefan
17:20	Physics of RI at FAIR (tentative, online)	SIMON, Haik

Tuesday 31 May 2022

Tuesday AM1 - RIBF201 (Conference Room) (09:20-10:50)

-Conveners: Hideaki Otsu

time	title	presenter
09:20	Erosion of N=28 shell closure: Shape coexistence and monopole transition	SUZUKI, Yoshiki
09:50	Nuclear density profiles and structure of exotic nuclei	HORIUCHI, Wataru
10:20	Nuclear-radius studies via reaction cross section measurements	TANAKA, Masaomi

break - RIBF201 (Conference Room) (10:50-11:10)

Tuesday AM2 - RIBF201 (Conference Room) (11:10-12:10)

-Conveners: Daisuke Suzuki

time	title	presenter
11:10	Shapes, clustering, and fission dynamics	VRETENAR, Dario
11:40	Pairing in neutron-rich nuclei investigated by responses	YOSHIDA, Kenichi

Lunch - RIBF201 (Conference Room) (12:10-13:30)

Tuesday PM1 - RIBF201 (Conference Room) (13:30-16:00)

-Conveners: Yoshihiro Aritomo

time	title	presenter
13:30	Recent findings about shell evolution in the neutron-rich Ca region	UTSUNO, Yutaka
14:00	Nuclear clusters probed with knockout reactions (online)	YANG, Zaihong
14:30	Direct mass measurements around neutron-rich Ca region at SHARAQ	MICHIMASA, Shin'ichiro
15:00	Past achievements and future perspectives for in-beam gamma-ray spectroscopy at the isospin frontier at the RIBF (online)	DOORNENBAL, Pieter
15:30	Emerging challenges and scopes in nuclear structure	OTSUKA, Takaharu

break - RIBF201 (Conference Room) (16:00-16:20)

Tuesday PM2 - RIBF201 (Conference Room) (16:20-17:50)

-Conveners: Megumi Niikura

time	title	presenter
16:20	Shell model study of chiral three-nucleon force	FUKUI, Tokuro
16:50	In-beam γ -ray spectroscopy by HiCARI germanium array	SUZUKI, Daisuke
17:20	What can we learn from the nuclear ground state densities?	SAGAWA, HIROYUKI

Wednesday 01 June 2022

Wednesday AM1 - RIBF201 (Conference Room) (09:00-10:30)

time	title	presenter
09:00	Mass measurement with the Rare-RI Ring at RIBF/Riken	NAIMI, Sarah
09:30	Beta-decay spectroscopy of neutron-rich nuclei at RIBF	YOKOYAMA, Rin
10:00	Fission studies via the (p,2p) reaction in inverse kinematics at RIBF	SASANO, Masaki

break - RIBF201 (Conference Room) (10:30-10:50)

Wednesday AM2 - RIBF201 (Conference Room) (10:50-11:50)

-Conveners: HIROYUKI SAGAWA

time	title	presenter
10:50	Unsolved issues of r-process nucleosynthesis due to nuclear-physics uncertainties	NISHIMURA, Nobuya
11:20	TBA	LIANG, Haozhao

Lunch - RIBF201 (Conference Room) (11:50-13:00)

Wednesday PM1 - RIBF201 (Conference Room) (13:00-14:00)

-Conveners: Kouhei Washiyama

time	title	presenter
13:00	Time-Dependent Microscopic Approaches for Heavy-Ion Multinucleon Transfer Reactions: Recent Progress	SEKIZAWA, Kazuyuki
13:30	Production of neutron-rich nuclei around N=126 and beyond using multinucleon transfer reactions at KISS project	WATANABE, Yutaka

break - RIBF201 (Conference Room) (14:00-14:20)

Wednesday PM2 - RIBF201 (Conference Room) (14:20-15:50)

-Conveners: Tomohiro Uesaka

time	title	presenter
14:20	Predictions of beta-decay half-lives and neutron capture cross sections of neutron-rich nuclei	MINATO, Futoshi
14:50	Nuclear Transmutation (TBA)	KAWASE, Shoichiro
15:20	TBA	NIIKURA, Megumi