# **RIBF User Group Town Meeting**

September 22 2022 Online(Zoom)

- 1) Report on the RIBF UEC activity (Ichikawa)
- 2) Report from Nishina Center (Yoneda-san)
- 3) Others

# Report on the RIBF UEC activity

Yuichi Ichikawa for the RIBF Users Executive Committee

# Current member list of UEC

- Apr. 2019 Mar. 2023
  - D. Suzuki, RIKEN, vice-chair
  - H. Crawford, LBNL
  - S. Nishimura, RIKEN
  - N. Hinohara, Tsukuba
  - N. Shimizu, CNS
- Apr. 2021 Mar. 2025
  - A. Corsi, CEA Saclay
  - Y. Ichikawa, Kyushu, chair
  - J. Zenihiro, Kyoto
  - T. Abe, RIKEN, vice chair
  - K. Sekizawa, Tokyo Tech
- Supplementary members Apr. 2021 Mar. 2023
  - S. Naimi, IJCLab

# **UEC** Activities

- Regular town meetings (online)
  - $\rightarrow$  March 2022 (not a as a part of JPS meeting)
  - → September 2022 (during RIBF Users meeting)
- Report from the MT committee (monthly)
- RIBF Users Group Thesis Award
- Member list update
- Conference calendar update (regularly)
- Bridging users and RNC

# Stats of RIBF Users Meeting of 2022

• Chaired by Y. Ichikawa and organized by J. Zenihiro

• Online (Zoom)

- 18 invited talks:
  - 2 Facility, 12 Experiment, 2 Theory, 2 Thesis Award talks
- Participants: 94 (Cf. 103 registrants)
  - 139 (2021, online), 127 (2020, online), 52 (2019, onsite)

## **RIBF Users Group Thesis Award 2022**

**Dr. Toshitaka Niwase** (KEK)

"First direct mass measurement of superheavy nuclide via MRTOF mass spectrograph equipped with an alpha-TOF detector" (Kyushu University, 2021)

### Dr. Tomoya Naito (RIKEN)

"On isospin symmetry breaking in nuclear density functional theory" (The University of Tokyo, 2022)

- co-sponsored by RIBF UEC and RIKEN Nishina Center
- Selection Committee Members
  - T. Abe, A. Corsi, H. Crawford(co-chair), N. Hinohara, Y. Ichikawa, S. Naimi, S. Nishimura,
  - K. Sekizawa, N. Shimizu(co-chair), D. Suzuki, J. Zenihiro
- Eligibility: Ph.D. theses from March 31, 2019 to present.
- Applications due on May 27, 2022. Result released on August 26, 2022.

# Congratulations again!



# Member list update

We are working on deleting non-active members	
	2022 (Marc
Please update your registration	2021
· Might bttpg://ribfuggr.rikop.ip/DIDE_UC/registration.btml	2017
<ul> <li>Visit <u>https://ribfuser.riken.jp/RIBF_UG/registration.html</u></li> <li>Click on "Update User Info."</li> </ul>	2015
<ul> <li>Enter your email address, click on "送信/submit"</li> </ul>	2013
<ul> <li>Update your information if necessary</li> </ul>	2012
<ul> <li>Irrespective of the update click on "送信/submit"</li> </ul>	2011
	2010

Only 125 members updated...

UG members
761
749
655
590
498
550
505
496

# Bridging users and RNC

- Charter (<u>https://ribfuser.riken.jp/RIBF\_UG/charter.html</u>)
- The purposes of the RIBF-UG are as follows:
  - To provide a formal channel for the exchange of information between the RIBF administration and the scientists who utilize this facility for research.
  - To provide advice and feedback to the RNC Director on matters relating to the development and operation of the RIBF.
  - To promote and enhance the effective use of the RIBF by collecting users concerns.
  - To act as a supporting and consulting body for the RIBF. The RIBF-UG maintains communications through appropriate means, such as regular meetings, electronic mailing lists, shared data bases, and webpages.
- UEC: coordinate the activities of the RIBF-UG (Charter 3)
- UEC starts to survey/collect concerns and requests of users using Google form

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$\leftrightarrow$ $\rightarrow$ $C$ $\oplus$ do	ocs.google.com,	Û	☆	*	N	:
	PRIBE USC prepares the following form         "to promote and enhance the effective use of the RIBF by collecting users concerns" (see 1. Purpose of RIBF UEC Charter).         If you have any comments/requests to the RIBF administration, please fill out the following form.         We will take into consideration your opinions for our future activities.         RIBF UEC Charter:         https://ribfuser.riken.jp/RIBF_UG/charter.html         Image: Construction of the table of the table of the table of tab		R			
	Name (Optional) 回答を入力 Residence • ③ Japan ④ Other Countries					
	Research Topics * <ul> <li>Nuclear Experiment</li> <li>Nuclear Theory</li> <li>その他:</li> </ul> Comments/Requests *				1	
Ð	回答を入力 送信 フォームをクリン Google フォームでパスワードを送信しないでください。 このコンテンツは Google が作成または承認したものではありません。 <u>不正行為の報告・利用規約・プライバシー</u> <u>ポリシー</u> Google フォーム	7				



# **RIBF Status Report**

Ken-ichiro YONEDA User Liaison Group RIKEN Nishina Center

RIBF User Group Town Meeting Web Meeting, September 22, 2022



### • COVID-19

- RIBF operation in 1st half FY2022
- BigRIPS cryocooler trouble
- MT plan in 2nd half FY2022
- NP-PAC meeting

## COVID-19 ... current status

## In Japan/Tokyo area

No official emergency issued by government
 # of cases found as infection ... decreasing

## In RIKEN

- Keep "Level-1" regulation
  - Research activities OK but with best care
  - allowed foreign participants to experiments
    - Short-stay visa necessary
    - Procedure must start at least 3 months before
  - Guideline and checklist for visitors https://ribf.riken.jp/COV/COVID.php



E6

(GARIS2)

E2B

(KISS)

Course

道正新一郎 SHARAQ <sup>78</sup>Kr 345 700 pmA 8.5

P. SCHURY

平山 賀一

-02

NP1912 -RRC64

roposal Numbe

RIBF (SRC)

NP1812 -SHARAQ13 -01

<sup>51</sup>V 6 <sup>5 (max)</sup> 7 <sup>6/7</sup> 9:00

<sup>138</sup>Xe 10.75 250 pnA 1

Particle Energy Intensity Frame (MeV/u)

6/14 9:00

6/15 9:00

BigRIPS Contact 鈴木

**日**幕 Higurashi

内山 Uobiyama 今尾 Imao



https://www.nishina.riken.jp/rarfmt/pc.html



## BigRIPS cryocooler trouble

#### During the summer-break maintenance, we found...



### A turbine had a few wings damaged.

Repair work being made by a maker company. Schedule not fixed yet.

Reason not specified yet.

### MT schedule October- December

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R. KANUNGO BigRIPS+ZDS 和田 道治

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BigRIPS+7DS

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SAMURAI 180 250 300 pnA 1.5

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RI0702 -AVF4	-189	羽場 宏光 H. HABA	AVF-C03	α	7.25	25 pµA	1	12/12 9:00	12/13 9:00								2	9:0	0												
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P1912 -RRC64	-03	平山 賀一 Y. HIRAYAMA	E2B (KISS)	<sup>138</sup> Xe	10.75	250 pnA	2	12/12 9:00	12/14 9:00								9.00		9:00												
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2022/9/13 reliminan

https://www.nishina.riken.jp/rarfmt/pc.html

### MT schedule January-February

NP2012 -AVF72

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L2101 -AVF73	-03	横山 明彦 A. YOKOYAMA	AVF-C03	7LI	6	1 pµA	1	1/7	1/8 9:00					9:00	e	9.00																	
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P2112 -LINAC7R5	-02	P. SCHURY	E6 (GARIS2)	<sup>51</sup> V	6	3 рµА	5	1/8 9:00	1/13 9:00						9.00					9.00	,												Ι
P2012 -RRC67	-01	P. WALKER	E2B (KISS)	<sup>138</sup> Xe	7.2	100 pnA	6	1/17 9:00	1/23 9:00													8	2					9:00					
L2101 -RRC70	-05	岩田 愛実 M. IWATA	E3A	<sup>138</sup> Xe	10.75	1 pnA	0.5	1/24 9:00	1/24 21:00																			9.00	21:0	0			

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DAL1         -01         -03         R.X. RBNT         GARISS         -1         -1         101         01 <th>DAL1       -01       -64       -64       -64       -1</th> <th>RILAC stand</th> <th>-alone</th> <th>1</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Wed T</th> <th>hu Fri</th> <th>Sat</th> <th>Sun N</th> <th>ton Tu</th> <th>e Wed</th> <th>Thu</th> <th>Fris</th> <th>at Su</th> <th>n Mon</th> <th>Tue M</th> <th>/ed Tr</th> <th>u Fri</th> <th>Sat</th> <th>Sun</th> <th>ton Tu</th> <th>e Wed</th> <th>Thu</th> <th>Fri</th> <th>at Sun</th> <th>Mon Tu</th> <th>e</th>	DAL1       -01       -64       -64       -64       -1	RILAC stand	-alone	1								Wed T	hu Fri	Sat	Sun N	ton Tu	e Wed	Thu	Fris	at Su	n Mon	Tue M	/ed Tr	u Fri	Sat	Sun	ton Tu	e Wed	Thu	Fri	at Sun	Mon Tu	e
AVF stand-alone         Normalize	AVF stand-alow         Normal         Description         Description <thdescription< th=""> <thdescription< th="">         &lt;</thdescription<></thdescription<>	DA21 -01		森本 幸司	GARIS3					10/1	4/1																						
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Nord: Arr         I. Huge         Le / Vertical         p         19         UpA         U.S         0         1         0	NINDEX_APPL         I <th< td=""><td>RI0702 -AVF4</td><td>-192</td><td>羽場 宏光 H. HABA</td><td>AVF-C03</td><td>d</td><td>12</td><td>10 pµA</td><td>1.5</td><td>2/20 9:00</td><td>2/21 21:00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>9:0:0</td><td></td><td>21:00</td><td></td><td></td><td></td><td></td><td></td></th<>	RI0702 -AVF4	-192	羽場 宏光 H. HABA	AVF-C03	d	12	10 pµA	1.5	2/20 9:00	2/21 21:00															9:0:0		21:00					
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Nail Victoria         Control         Control         K roshiba         ESA         PM	Mail Mail Mark	AVF+RF	C																							_							
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Construct         <	Call Call         Cont	IC22 -06	-02	A. YOSHIDA	E5A	<sup>84</sup> Kr	70	1 pnA	2.5	1/29 21:00	2/1 9:00																						
IBBOTIC: 4RIC1       ·····       ······       ······       ·······       ·······       ········       ·········       ·········       ··········       ···············       ······················       ····································	IBB/D2       IPAC       IPAC <thipac< th="">       IPAC       IPAC</thipac<>	IC22 -07	-05	A. YOSHIDA	E5A																												
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MI2112_ARC74     -108     MI213_ARC74     -108     <	IBB/D2:       ARC: 1:	IC22 -06	-03	A. YOSHIDA	E5A	<sup>12</sup> C	135	6 pnA	0.5	21:00	9:00	21:0		00																			
Mailia - инсли         - ESB <sup>10</sup> / <sub>16</sub> 2 инс.         2 инс.         2 инс.         1 инс.	Mailla - RRCV4     -10     M total     E5B     66F     90     2 pol     2 row     1 row	IB0702 -RRC1	-165	K. TSUNEIZUMI	E5B	<sup>56</sup> Fe	90	2 pnA	3hrs	9:00	12:00							12:	00														
No. 30.02     31     A 'roshipa     EDA     ''A' B 0-30     PM     I     900     900       AVF-RRC+IRC       R01702     JRC     27     TF MB7     EDB     40A     f 160     2 pm A     4 res     900     1200       NL2112     JRC714     400     R M27     1200     1200     1200     1200     1200       RILAC2+ERC     M2112     4RC72     42     M23     160     2 pm A     3 res     1200     1200     1200       RILAC2+ERC     RIMAL4     E2B     10% P     10.75     100 pm A     8 res     2/4     2/4     2/4     2/4     2/4       R01702     ARC17     42I     M234     E3B     0.75     100 pm A     8 res     2/4     2/4     2/4     2/4     2/4       R01702     ARC17     42I     M234     E3B     0.75     100 pm A     8 res     2/4	Mail         Mail         Loga         Net         Job Stress         Park	ML2112 -RRC74	-10	M. IZUMI	E5B			2 pnA	2 <sub>hrs</sub>	12:00	14:00						123	14															
B0702 - JRC1         -27         所約 知子 L1212 - JRC74         E5B         40Ar         160         2 pm         40 ps         97         97         97         97         1500         100 <th1< th=""><td>BBT02 : JRC1         -77         研約 時子         E5B         40Ar         160         2 prA         4 prs         270         270         920         1300         920         1300         920         1300         920         1300         920         1300         1300         1300         1300         1600         1         1300         1600         1         1300         1600         1         1300         1600         1         1300         1600         1         1300         1600         1         1300         1600         1</td><td></td><td></td><td></td><td>E5A</td><td><sup>138</sup>Xe</td><td>30~36</td><td>1 pnA</td><td>1</td><td>2/10 9:00</td><td>2/11 9:00</td><td></td><td></td><td></td><td></td><td></td><td></td><td>9:00</td><td></td><td>9:00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th1<>	BBT02 : JRC1         -77         研約 時子         E5B         40Ar         160         2 prA         4 prs         270         270         920         1300         920         1300         920         1300         920         1300         920         1300         1300         1300         1300         1600         1         1300         1600         1         1300         1600         1         1300         1600         1         1300         1600         1         1300         1600         1         1300         1600         1				E5A	<sup>138</sup> Xe	30~36	1 pnA	1	2/10 9:00	2/11 9:00							9:00		9:00													
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March 2023	Prei March 2023	roposal Number		Experiment Leader	Course	Particle	Energy (MeV/u)	Intensity	Time Frame (days)	start- time	end- time	1 2	3	4	5 6	5 7	8	9 1	101	112	13	141	516	517	18	192	021	22	232	242	526	2728	3293
March 2023											N	Ved Th	u Fri	Sat 5	Sun Mo	n Tue	Wed	Thu F	Fri Sa	t Sur	Mon	Tue W	ed Th	Fri	Sat	Sun M	on Tu	Wed	Thu	Fri Sa	t Sun	Mon Tu	e Wed 1
March 2023           Course         Particle         Greegy (MeV/W)         Intensity         Time (stop)         test (stop)         1         2         3         4         5         6         7         8         9         101112         13114         1516         17         18         9         2022         12223         24223         24223         24223         2423         25         7         8         9         101112         13114         1516         17         18         9         2021         12223         2433         25         35         36         36         36         36         36         36 </th <td>Prel</td> <td></td> <td></td> <td>森本 奏司</td> <td>0.4.7910.0</td> <td></td> <td></td> <td></td> <td></td> <td>10/1</td> <td>4/1</td> <td></td>	Prel			森本 奏司	0.4.7910.0					10/1	4/1																						
March 2023           Course         Particle         Greegy (MeV/W)         Intensity         Time (stop)         Stath Intensity         Course         Particle         Stath (Stop)         Med Intensity         Time (stop)         Stath Intensity         Course         Particle         Stath (Stop)         Med Intensity         Time (stop)         Stath Intensity         Course         Particle         Stath (Stop)         Med Intensity         Time (stop)         Stath Intensity         Time (stop)         Med Intensity         Time (stop)         Med Intensity         Time (stop)         Med Intensity         Time (stop)         Med Intensity         Time (stop)         Med Intensity         Time (stop)         Med Intensity         Med Intensity </th <td>Prel</td> <td></td> <td></td> <td>K. MORIMOTO</td> <td>GARIS3</td> <td></td> <td></td> <td></td> <td></td> <td>9:00</td> <td>9:00</td> <td></td>	Prel			K. MORIMOTO	GARIS3					9:00	9:00																						
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March 2023           Vipostal Number         Experiment Loader         Course         Particle         Emergy (MeV/V)         Number (MeV/V)         Final (MeV/V)         State (MeV/V)         March 2023           RILAC stand-alone	Preto           Troposal Number         Eusperiment Leader         Course         Particle         Energy (MaVU)         Itams // me         Mark         me         me <thme< th=""></thme<>	0702 -AVF4	-195	NHABA 羽場 宏光 H, HABA	AVF-C03	α	7.25	25 pµA	4	3/6	3/7	1		100	9.00	0.0																	
March 2023           Inspectment         Experiment         Courte         Particle         Tames Tames (MeV)         Match         Match <td>Preto         Preto         Preto         March 2023           March 2023</td> <td></td> <td></td> <td></td> <td>574</td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td>_</td> <td></td> <td>1</td> <td></td> <td>4</td> <td>9.0</td> <td>ĭ</td> <td>1</td> <td></td> <td>1</td> <td></td> <td></td>	Preto         Preto         Preto         March 2023				574				_		_		1		4	9.0	ĭ	1													1		
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https://www.nishina.riken.jp/rarfmt/pc.html

NP-PAC

23rd NP-PAC meeting to be held on December 5 (Mon) – 7 (Wed), 2022 Meeting in person for presentation (presentation via Zoom also possible) Other participants join the meeting online

Proposal submission deadline: October 11

Call for Proposals available in: https://www.nishina.riken.jp/RIBF/NP-PAC/index.html