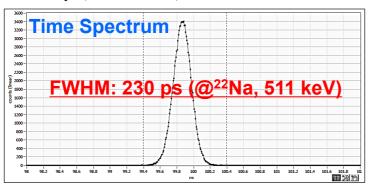


EW MODEI

Digital Pulse Processor Time resolution: Coarse: 1ns | Fine: 3.9ps, LSB

ADC: 1Gsps, 8 channel, 14-bit



APV8108-14

CH5 💽 O CH2

(C) CH1

Suitable for Multi Channel System

NIM-CLR or **Fast-Signal**

Repeated CLR is entered. and when measuring the time difference spectrum from T_0 , input CLR to CH 1 of each board. Use a fast rise signal such as NIM.



Analysis Mode

- 1.List (TDC+QDC)
- 2.Wave
- 3. Histogram
- 4.List-Wave*1
- 5.PSA function*1
- 6.COINCIDENCE function *

Gigabit ethernet

Data transfer

10 M Byte (Gigabit) and more / sec

Output

1 Mcps and more / channel

*Images is for illustration purpose.

*Please note that contents may change without prior notice

Manufacturer of Radiation Measurements TechnoAP Co., Ltd.

2976-15 Mawatari, Hitachinaka-shi, Ibaraki ☑ order@techno-ap.com

放射線・放射能測定装置メーカー

株式会社 テクノエーピー

〒312-0012茨城県ひたちなか市馬渡2976-15

2 029-350-8011 **3** 029-352-9013



Response to various kinds of voltage disturbance!

*Moise*cut AVR™

Automatic Voltage Regulator / Type "PSN"



% Outline

"NoisecutAVR" / type "PSN" is automatic voltage regulator combined with the ultimate in isolation transformer which is the most reliable line noise suppressor and noiseless negative feedback automatic voltage regulating circuit with magnetic amplifer.

***** Characteristic

- (1) Advantages as noise prevention device (EMC product)
- Effective across wide frequency band and high attenuation rates

Owing to synergy effect of the ultimate in isolation transformer and automatic voltage regulating circuit, type "PSN" can shut out line noise in wide band from harmonic to high frequency (3rd harmonics to 100MHz in normal mode, DC to 100MHz in common mode). Refer to fig.1.

Bidirectional effectiveness

Type "PSN" can protect loading apparatus from noise that invades from power side, and at the same time, prevent that loading apparatus pollute power line.

•Unique performance of isolation

Type "PSN" can attenuate $1.2/50\,\mu s$ standard lightning impulse wave simulated lightning stroke to less than 1/10,000. Furthermore, type "PSN" can prevent intersystem fault by isolating input and output sides circuit. (2) Advantages as stabilizer

Constant voltage in effective value

Type "PSN" always keeps constant voltage automatically in output side.

Clean sinusoidal wave

Type "PSN" can supply loading apparatus clean sinusoidal wave eliminated harmonic.

•Suppression of sudden voltage change and speedy response

Type "PSN" can suppress sudden voltage changes(surge, sag, flicker, etc.) of fundamental waves (50/60Hz).

Prevention of harmonic interference

Even if load current is distorted wave, type "PSN" can prevent harmonic interference due to the fact that input current becomes near to sinusoidal waveform by harmonic absorbing component. Refer to fig.2.

High withstand voltage

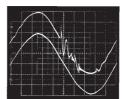
Leakage current is quite low, and type "PSN" can have high withstand voltage kept between line and ground.

Low running cost

Type "PSN" is energy-saving type, as the efficiency is good and the power factor in input become about 100% automatically regardless of loading apparatus. Type "PSN" is dry and static type, very durable, and can cut down the time for maintenance and inspection very much.

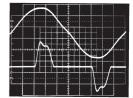
* Purpose of use

Type "PSN" can protect precise and delicate electronic apparatus of computer, measurement equipment, etc. from severe power environment of voltage fluctuation, line noise, lightning surge, etc. Type "PSN" can supply power at clean sinusoidal wave with distortion factor of less than 3% even in line polluted by thyristor noise and line having distortions. Also, type "PSN" can fully prevent instantaneous power failure of less than several milli-seconds.



Above: the input voltage waveform Below: the output voltage waveform

Fig.1 Noise attenuation and harmonic elimination



Above: the input current waveform Below: the output current (load current)waveform

Fig.2 Input current waveform (sinusoidal wave) against output current waveform (spire shape)

DENKENSEIKI Research Institute Co., Ltd.

4-21, 1-chome, Hachiman-cho Higashi-kurume city, Tokyo, Japan. 203-0042

TEL. (81)42-473-3745 FAX.(81)42-474-0613

URL https://www.denkenseiki.co.jp/



~排気能力を落とさず、メンテナンス効率が向上された 2機種のロングライフ・オイルフリーポンプをご提案~

Kashiyama / 小型空冷式ドライポンプ / NeoDryシリーズ



・メンテナンスサイクル: 3年周期(推奨) ・ポンプ部に接触部がない為、パーティクルの発生 及び、性能劣化のない長期使用が可能。

Performance	NeoDry15E	NeoDry30E	NeoDry36E	NeoDry60E	
排気速度 (L/min)	250	500	600	1,000	
到達圧力 (Pa)		,			
ガスパラスト機構	有り ※オプション選択扱			扱い(N2導入可)	
最大許容水蒸気(g/h)	25	50	350	600	
騒音 dB(A)	≦	56	≦58	≦60	
外観寸法- WxHxL (mm)	250x210x385	250x210x410	275x298x475	275x315x530	
接続口径(吸気口/排気口)	NW25/NW25				
重量 (Kg)	23	25	54	56	
電源電圧	単相100~1	120V, 単相200~240V, 3相200V 3相200V			





- ・メンテナンスサイクル: 2年半周期(推奨)
- •マイナーメンテナンスはお客様の御手元にて可能。 (チップシールキットのご購入~交換、スクロール部の清掃のみ)

Performance	nXDS6i	nXDS10i	nXDS15i	nXDS20i
排気速度 (L/min)	103	185	252	367
到建圧力 (Pa)	3	0.7	0.7	5
ガスパラスト (slm)	7.5	16.2	33.2	24.2
到達圧力(ガスパラスト時)(Pa)	10	2	2	10
最大許容水蒸気(g/h)	110	145	280	220
騒音 dB(A)	52	52	52	52
振動レベル mm s 1 rms	1.5	1.5	1.5	1.5
リークタイト (mbar is-1)	1x10-6	1x10-6	1x10-6	1x10-6
外観寸法 LxWxH (mm)	432×265×302	432×265×302	432x265x302	432×265×302
使用環境温度°C	10-40	10-40	10-40	10-40
重量 (Kg)	25.9	25.8	25.2	25.2
接続口径(吸気口/排気口)	NW25/NW25	NW25/NW25	NW25/NW25	NW25/NW25
モータ仕様	Inverter 0.26kW	Inverter 0.28kW	Inverter 0.3kW	Inverter 0.26kW

詳細のお問い合わせ先は、



名古屋本社/ TEL: 052-401-2061 FAX: 052-401-6960 E-mail: info@ailin-va.com 関東営業所/ TEL: 048-769-7011 FAX: 048-769-7483

Sponsor Industries





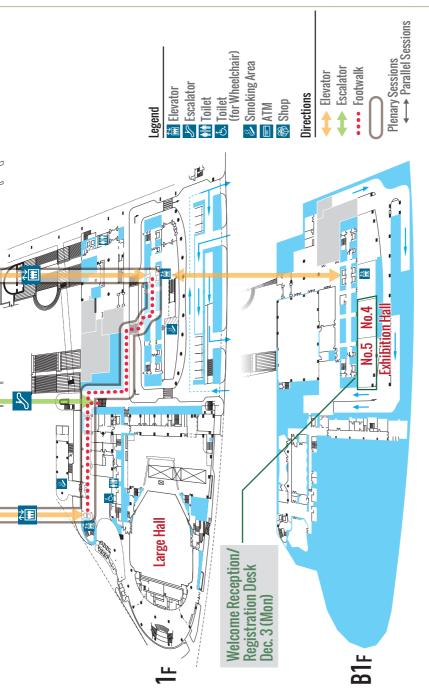








(A) Sonic City Hall



different building (A). A connecting passage at 2F links the two buildings. In this floor, you can also find elevators to 4F and 6F for the Parallel Sessions. Note that the escalator ends at 4F. To go to 6F, take an elevator. We will put several guide signs during the conference. Please follow them onsite.

:Note=

The conference venue Sonic City has a complicated building map, so be careful not to lose the way. The Sonic City has two buildings, (A) Sonic City Hall and (B) Sonic City Bldg. The Parallel Sessions will be held in (B), while the other programs including the Plenary and Poster Sessions will be in the

General Infomation

Opening hours of the conference venue and registration desk

```
venue
                            registration desk
Dec. 3 (Mon)
                         / 17:00-19:00 at the Exhibition Hall No.4/5 (B1F)
Dec. 4 (Tue) 8:15-19:30
                         / 8:15-16:00 at the International Conference Room (4F)
Dec. 5 (Wed) 8:00-19:30
                         / 8:00-16:00 at the International Conference Room (4F)
Dec. 6 (Thu) 8:00-14:00
                         / 8:00-14:00 at the International Conference Room (4F)
                         / 8:00-14:00 at the International Conference Room (4F)
Dec. 7 (Fri)
            8:00-17:00
Dec. 8 (Sat)
            8:00-17:00
                         / 8:00-14:00 at the International Conference Room (4F)
```

The conference rooms and registration desk will be open as scheduled above. Note that the registration desk will be open at B1F during the Welcome Reception on Dec. 3 (Mon) and at the 4F International Conference Room for the other dates.

The phone number of the registration desk is 070-4177-3604.

On-site registration

On-site registration is available at the registration desk. The online registration system of the official conference website will be used. The registration fee is payable by cash or by credit cards.

Plenary and Parallel Sessions

The Plenary Sessions will be held in the 2F Small Hall.

The Parallel Sessions will be held in the 2F Small Hall, 4F Sonic Civic Hall (401, 402, 403 and 404) and 6F Meeting Rooms (601 and 602).

Coffee break will be arranged at the 4F International Conference Room, except for the afternoon break of Dec. 4 (Tue) at 4F Civic Hall.

Poster Session

The poster session will be held on Dec. 5 (Wed) from 17:00 to 19:00 at the 4F International Conference Room. Wine and beer will be served.

The presenters can put their posters from the afternoon of Dec. 4 (Tue).

Session Categories

- A Fusion and Fission
- B Heavy and Superheavy Elements
- C Nuclear Structure and Dynamics
- D Nuclear Astrophysics
- E Equation of State of Nuclear and Quark Matter under Extreme Conditions
- F Collision Dynamics at Medium to Relativistic Energies
- G Hadron Physics
- H New Facilities
- J Nuclear Methods for Pure and Applied Sciences
- K Nuclear Energy and Applications of Nuclear Science and Technologies

Commercial Exhibition

The exhibition booths will be open from Dec. 4 (Tue) through Dec. 7 (Fri) at the 4F International Conference Room.

Wireless LAN

Wi-Fi network will be available in all conference rooms. The connection information will be available at the registration desk. Details will be provided on-site.

Information for Presenters

Program

The scientific program as of Nov. 18 is in the booklet. The plenary talks are 25 minutes long plus 5 minutes of discussion. The invited talks in parallel sessions are 20 minutes long plus 5 minutes of discussion, which is located the first slot of each parallel session typically. Other parallel talks are 15 minutes long plus 5 minutes of discussion.

The program is available online at

https://controls.papercept.net/conferences/conferences/NN18/program/



We would like to ask you to upload your presentation slides in the PDF format to this site after the talk. The upload method will be available on-site.

The uploaded slides will be open to the public at

http://nn2018.riken.jp/

after the conference.

Oral presentation

A Windows PC is prepared in each presentation room.

We would like to ask you to copy your presentation file (pdf or ppt) to the PC at your presentation room beforehand, e.g. at the break before your session, or in the day before your session starts.

To keep to the timetable, it is not recommended to use your own PC.

Poster session

Poster session will be held on Dec. 5 (Wed) from 17:00 to 19:00 at the 4F International Conference Room. Wine and beer will be served from 17:30.

Presenters can put their posters from the afternoon of Dec. 4 (Tue). The size of the poster panels is $900 \text{ mm} \times 2100 \text{ mm}$ for each. Pushpins will be provided by the organizers. Do not use scotch tape, please. The International Conference Room will be closed at 17:00 on Dec. 7 (Fri). Please remove your poster by that time. The best posters will be awarded during a ceremony in the final session of the conference.

Conference Proceedings

Peer-reviewed conference proceedings will be published as a volume of "JPS Conference Proceedings", which is an online open-access journal of the Physical Society of Japan.

Excursion

The excursion will be held in the afternoon on Dec. 6 (Thu). A total of six tours are planned to visit cultural heritages, historical sites or state-of-the-art facilities in the Saitama Prefecture.

(A) General Rolling Stock Center of the East Japan Railway Company

by walk Founded in 1894, the General Rolling Stock Center in Omiya is a major railyard center of the East Japan Railway Company. Tour to the site for the daily maintenance of passenger trains and for the restoration of heritage steam locomotives.

(B) Bonsai village - Bonsai nursery and prefectural history museum

Bonsai is a traditional Japanese art using miniature trees. A small neighborhood in Omiya, the Bonsai village hosts top Bonsai nurseries and attracts experts and enthusiasts across the world. Tour to the nursery Fuyo'en and to the Prefectural Museum of History and Folklore.

(C) RIKEN Radioactive Isotope Beam Factory (RIBF)

by bus The RIBF is a facility of radioactive isotope beams at the RIKEN Wako campus. The facility is capable of producing a wide range of radioactive isotopes via the fragmentation reaction or in-flight fission of uranium. Tour to the RIBF as well as to the RIKEN gallery with historical archives.

(D) Iwatsuki - Sake brewery and doll craft house

An old city developed around a castle in the 15th century, today Iwatsuki is a home to traditional breweries and doll craft houses. Tour to the Suzuki sake brewery (https://www.sakekura.net) and the Suzuki doll craft house (http://www.suzuki-ningyo.com).

(E) Kawagoe - free afternoon in 'Ko-Edo'

by bus Kawagoe used to be a town crowded with travelers and traffic to and from Tokyo on the Kawagoe Kaido (road). Today the city is called "Ko-Edo" (Little Edo) after the old name for Tokyo (Edo). Visit to the Kita-in temple and free walk around the streets with historic architectures, temples and shrines.

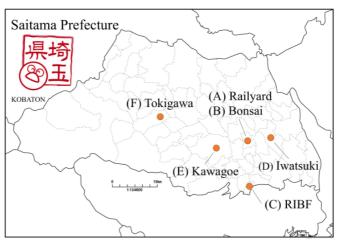
(F) Tokigawa - picking and tasting of oranges in orchards

by bus A countryside of the Saitama prefecture, Tokigawa offers relaxing atmospheres in nature and the scenery of rice paddies, farms and orchards. A picking and tasting experience of various oranges on sunny slopes of Mt. Otsuki. Will also visit a shop of local products, flowers, pottery or crafts.

Schedule

Come to the Small Hall at 12:00 after the morning session is concluded. Pick up a lunch box at the entrance.

- (A) and (B) Use the Small Hall for lunch. The tours will start at 13:00.
- \cdot (C), (D) and (E) Use the Small Hall for lunch. The buses will leave at 13:00.
- $\boldsymbol{\cdot}$ (F) The bus will leave shortly after the morning session. Take the lunch box to the bus with you.



Banquet

The conference banquet will be held in the railway museum on Dec. 7 (Fri) from 18:30 to 20:30.

The museum is located near the Testudo-Hakubutsukan station of the New Shuttle ("Tetsudo-Hakubutsukan" means railway museum.). It is also about half an hour by walk from the conference venue.

Dinner will be served in buffet style.

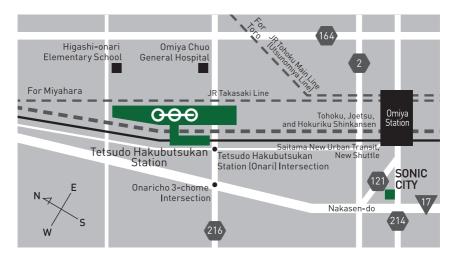
Since the museum is entirely reserved for NN2018 banquet, the museum entrance gate will be closed at 19:00.

Please enter the museum before 19:00.

If you arrive later, please make a call to 070-4177-3604.

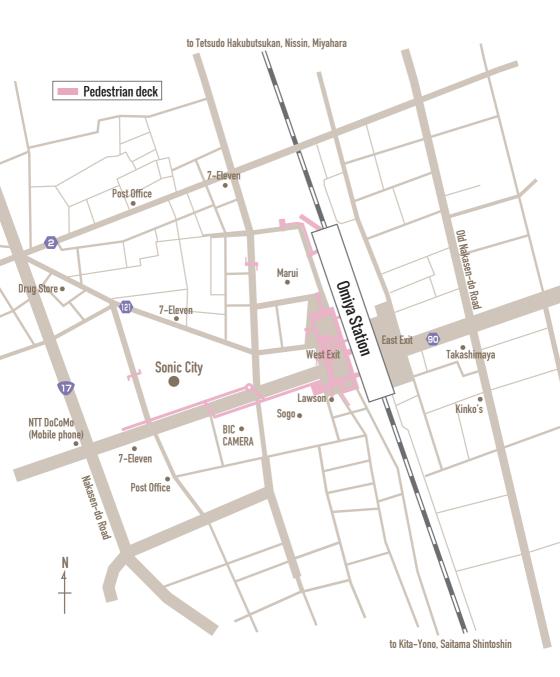








Around the Venue Map



Program

	12/3(Mon)	12/4(Tue)	12/5(Wed)	
8.00		-8:15		8.00
9.00		Registration		9.00
		9:15 Opening Address	Plenary 3	
10.00		Plenary 1		10.00
11.00		Break	Break	11.00
11 00				11 00
12.00		Plenary 2	Plenary 4	12.00
13.00				13.00
10 00		Conference Photo		10 00
14.00		Lunch	Lunch	14.00
15.00				15.00
		Parallel 1	Parallel 3	
16.00				16.00
17.00		-16:35 Break	16:35 Break	17.00
		-17:05		
18.00	Welcome Reception	Parallel 2	Poster	18.00
19.00				19.00
17.00		-19:10		17.00
20.00			IAC meeting	20.00

	12/6(Thu)	12/7(Fri)	12/8(Sat)	
8.00				8.00
9.00	Plenary 5	Plenary 7	Plenary 9	9.00
10.00				10.00
11.00	Break	Break	Break	11.00
	Plenary 6			
12.00	Excursion	Plenary 8	Plenary 10	12.00
13.00				13.00
14.00		Lunch	Lunch	14.00
15.00		Parallel 4	Plenary 11	15.00
16.00			Plenary 11 (closing)	16.00
17.00		16:35		17.00
18.00		Move to the Railway Museum		18.00
19.00				19.00
20.00		Banquet		20.00

Plenary Sessions

Room: Small Hall

Tuesday December 4

Tucsuay Decel	IIII I		
8:00 - 9:00	Registration		
9:00 - 9:15	Opening Address		Hideto En'yo (RIKEN Nishina Center)
Plenary 1	chair : T. Uesaka		
9:15 - 9:45	Keynote Talk	263	Kazuhiro Tanaka (KEK)
9:45 - 10:00	Present status and perspectives of SHE researches at RIKEN	227B	Kosuke Morita (Kyushu)
10:00 - 10:30	HEAVIEST NUCLEI	225B	Yuri Ogannesian (FLNR)
10:30 - 11:00	Break		
Plenary 2	chair : K. H. Tanaka		
11:00 - 11:30	Quantifying dissipation en route to equilibration: experimental results in near-barrier collisions	247A	Mahananda Dasgupta (ANU)
11:30 - 12:00	Nuclear physics in Accreting Neutron Stars: Bursts and Crusts	254D	Hendrik Schatz (MSU)
12:00 - 12:30	Exotic particle production in Heavy Ion Collision	223G	Su Houng Lee (Yonsei)
12:30 - 13:00	Introduction to the New Facility HIAF	261H	Xiaohong Zhou (IMP-CAS)



Wednesday December 5

Plenary 3	chair : N. Xu		
8:30 - 9:00	Exploring extremely dense medium in heavy-ion collisions	243E	Masakiyo Kitazawa (Osaka)
9:00 - 9:30	Results and future plan of the energy scan experiment at RHIC	248E	Xiaofeng Luo (CCNU)
9:30 - 10:00	QCD matter physics at the future FAIR facility in Germany	216Н	Peter Senger (GSI)
10:00 - 10:30	Heavy ion BM@N and MPD experiments at NICA (JINR)	222H	Mikhail Kapishin (JINR)
10:30 - 11:00	Break		

Plenary 4	chair : H. Sakurai		
11:00 - 11:30	How an antimatter physicist reacted to the Fukushima Accident	259J	Ryugo Hayano (Tokyo)
11:30 - 12:00	Reduction and Resource Recycling High- level Radioactive Waste through Nuclear Transmutation - Overview of the ImPACT Program	249K	Reiko Fujita (JST)
12:00 - 12:30	Studies of the evolution of collectivity and shell structure in exotic nuclei at RIKEN	210C	Kathrin Wimmer (Tokyo)
12:30 - 13:00	Isovector electric and magnetic collective motion in nuclei within the framework of energy density functionals	245C	Gianluca Colo (Milano)

Plenary Sessions

Thursday December 6

Plenary 5	chair : K. Hagino		
8:30 - 9:00	Laser-assisted nuclear spectroscopy studies at ISOLDE (CERN)	229C	Andrey Andreyev (ISOLDE)
9:00 - 9:30	Nuclear dipole responses by ab initio theory	241C	Sonia Bacca (TRIUMF)
9:30 - 10:00	The Recent Experimental Studies on High- Energy Ion Collisions	260F	Takashi Hachiya (Nara Women's U/ RIKEN)
10:00 - 10:30	Dynamics of nuclear collisions at relativistic energies	231F	Tetsufumi Hirano (Sophia Univ.)
10:30 - 11:00	Break		

Plenary 6	chair : M. Dasgupta		
11:00 - 11:30	Impact of fusion-fission and Quasifission on SHE Production	226A	Mikhail Itkis (JINR)
11:30 - 12:00	Time-Dependent Density Functional Theory for Low-Energy Nuclear Reactions: Recent Progress	194A	Kazuyuki Sekizawa (Niigata)
12:00 -	Excursion		



Friday December 7

Plenary 7	chair : W. G. Lynch		
8:30 - 9:00	Transport theories of heavy ion collisions and the study of the nuclear EOS	230F	Maria Colonna (INFN-LNS)
9:00 - 9:30	Recent results from HADES	251F	Tetyana Galatyk (Frankfurt)
9:30 - 10:00	Nucleosynthesis in neutron-star mergers	235D	Stephane Goriely (Bruxelles)
10:00 - 10:30	Resonant C-burning at astrophysical energies	141D	Aurora Tumino (INFN-LNS)
10:30 - 11:00	Break		

Plenary 8	chair : H.Q. Zhang		
11:00 - 11:30	An innovative method for plant mutation breeding and gene discovery	250K	Tomoko Abe (RIKEN Nishina Center)
11:30 - 12:00	Applications of β -radiation detected NMR in wet chemistry, biochemistry and medicine	237K	Monika Stachura (TRIUMF)
12:00 - 12:30	New scintillator materials for present and future experiments	206J	Franco Camera (Mirano)
12:30 - 13:00	Compact AMS System at Yamagata University	233J	Fuyuki Tokanai (Yamagata)

Plenary Sessions

Saturday December 8

Plenary 9	chair : L. Trache		
8:30 - 9:00	Nuclear astrophysics at storage rings	211D	Rene Reifarth (Frankfurt)
9:00 - 9:30	Nuclear Astrophysics deep underground and the LUNA experiment	213D	Rosanna Depalo (Padova)
9:30 - 10:00	Probing the Equation of State of Neutron- rich Matter	265E	William G. Lynch (MSU)
10:00 - 10:30	Experimental measures of fission time scales	219A	Birger Back (ANL)
10:30 - 11:00	Break		

Plenary 10	chair : W. Nazarewicz		
11:00 - 11:30	\overline{K} -Nuclear Bound State at J-PARC	239G	Fuminori Sakuma (RIKEN)
11:30 - 12:00	Spectroscopy of pionic atoms and deduction of chiral symmetry in nuclear matter	123G	Kenta Itahashi (RIKEN)
12:00 - 12:30	New pathways for producing heavy and superheavy nuclei	218B	Sophie Heinz (GSI)
12:30 - 13:00	Chemistry of Superheavy Elements	246B	Jacklyn Gates (LBNL)
13:00 - 14:30	Lunch		

Plenary 11

14:30 - 15:00	Recent Status of the FRIB Project	214H	Bradley M. Sherill (FRIB)
15:00 - 15:30	Facility-upgrade of RIBF for diversity enhancement in nuclear physics	262Н	Hiroyoshi Sakurai (RIBF)
15:30 - 15:40	Poster Award		
15:40 - 16:10	Summary Talk	264	Witold Nazarewicz (FRIB)
16:10 - 16:30	Closing		

Tuesday December 4

Parallel 1		14:30 - 16:35	
A-1		Small Hall	
215A	14:30 -	Fission studies of nuclei produued in multinucleon transfer reactions	Katsuhisa Nishio (JAEA)
154A	14:55 -	Role of multichance fission in highly excited heavy nuclei	Shoya Tanaka (Kindai University)
156A	15:15 -	Fission dynamics of ²²⁷ Np compound nucleus via neutron multiplicity measurements	Muhammed Shareef (Central University of Kerala)
131A	15:35 -	Origin of dramatic change of fission mode in fermium isotopes investigated using Langevin equation	Yuuya Miyamoto (Kindai University)
67A	15:55 -	Mass-gated neutron multiplicity measurements for ⁴⁸ Ti + ^{144,154} Sm reaction using NAND facility	Ruchi Mahajan (Panjab University)

B-1		Room 401		
242B	14:30 -	Superheavy element research at RIKEN	Kouji Morimoto	
			(RIKEN)	
59B	14:55 -	Precision Measurements Approaching the Island of the	Michael Block	
		Heavyweights	(GSI)	
181B	15:20 -	ΔE - E detector system for searching long lived heaviest	Kamila Zelga	
		nuclei in activated scintillators	(Jagiellonian)	
45B	15:40 -	Dynamical approach for synthesis of superheavy elements	Yoshihiro Aritomo	
			(Kindai University)	
23B	16:00 -	TDDFT + Langevin model for the synthesis of Z=120	Yoritaka Iwata	
		nucleus	(TITech)	

C1-1		Room 601	
234C	14:30 -	Tetra-neutron system populated by exothermic double-charge exchange reaction	Susumu Shimoura (CNS, U-Tokyo)
76C	14:55 -	Evidence of enhanced 3alpha radius probed by hadronic reactions	Makoto Ito (Kansai University)
128C	15:15 -	Halo-like structure of ⁷ He and transition from neutron halo to neutron skin	Alla Demyanova (NRC Kurchatov)
102C	15:35 -	Alpha-clustering at the surface of Sn isotopes studied with quasi-free $(p, p\alpha)$ reaction	Zaihong Yang (Osaka)
114C	15:55 -	Alpha- and <i>t</i> -clutering in low- and high-lying states of ³⁵ Cl	Yasutaka Taniguchi (National Institute of Technology, Kagawa College)
143C	16:15 -	Short-range (pairing) versus long-range (collective) correlations in two-neutron transfer reactions induced by ¹⁸ O	Rios Lubian (Federal Fluminense University)

Paralle	11	14:30 - 16:35	
C2-1		Room 602	
267C	14:30 -	Nuclear structure and reaction with quantum shape fluctuation	Takashi Nakatsukasa (Tsukuba)
152C	14:55 -	Studies of the production of neutron-rich nuclei towards zero degrees in deep-inelastic collisions	Gheorghe Stefan (IPN Orsay)
6C	15:20 -	Structure of β -Decay Strehgth Function $S\beta(E)$ and Wigner Spin-Isospin $SU(4)$ Symmetry	Igor Izosimov (JINR)
16C	15:40 -	Studying the decay of ⁴⁶ Ti*: does different partner structure influence the competing mechanisms and the following compound nucleus decay?	Magda Cicerchia (INFN-LNL & UNIPD)
168C	16:00 -	Binding-energy differences of even-even nuclei and pairing correlation	Nobuo Hinohara (Tsukuba)
86C	16:20 -	Delving incomplete fusion @ 4-7 A.MeV: A Role of Deformation	Unnati Gupta (Delhi)
D-1		Room 402	
252D	14:30 -	Beta-delayed neutron emission studies in neutron rich nuclei for <i>r</i> -process	Iris Dillmann (TRIUMF)
193D	14:55 -	Uncertainties of r-Process Nucleosynthesis Caused by Nuclear- physics Inputs	Nobuya Nishimura (Kyoto)

D-1		K00111 402	
252D	14:30 -	Beta-delayed neutron emission studies in neutron rich nuclei for <i>r</i> -process	Iris Dillmann (TRIUMF)
193D	14:55 -	Uncertainties of <i>r</i> -Process Nucleosynthesis Caused by Nuclear- physics Inputs	Nobuya Nishimura (Kyoto)
21D	15:20 -	On the investigation of the 18 F(p , α) 15 O reaction below $E_{c.m.} = 1$ MeV and consequences for astrophysics in the multimessenger era	Marco LaCognata (INFN - LNL)
13D	15:40 -	Fluorine destruction in stars studied with Trojan Horse Method	Rosario Gianluca Pizzone (INFN)
172D	16:00 -	Nuclear breakup and Coulomb dissociation of °C nucleus studied at RIBF RIKEN	Alexandra Ionela Chilug (IFIN-HH)

E-1		Room 403	
257E	14:30 -	PUMA: antiProton Unstable Matter Annihilation	Alexandre Obertelli (TU Darmstadt)
52E	14:55 -	The nuclear symmetry energy and the breaking of the isospin symmetry: how do they reconcile with each other?	Hiroyuki Sagawa (RIKEN)
160E	15:20 -	Direct determination of the neutron skin thickness of ⁴⁸ Ca via proton elastic scattering	Juzo Zenihiro (RIKEN Nishina Center)
78E	15:40 -	Effect of the DDM3Y Nuclear equation of state on the r-mode instability of neutron stars	Somnath Mukhopadhyay (VECC)
125E	16:00 -	Magnetized rotational neutron stars and mass-radius relations	Chinatsu Watanabe (Saitama)
122C	16:20 -	New results from the NUMEN project	Clementina Agodi (INFN - LNS)

Paralle	l1	14:30 - 16:35	
F-1		Room 404	
228F	14:30 -	Isospin effects on the nuclear equation of state at low densities	Abdou Chbihi (GANIL)
17F	14:55 -	Nuclear fragmentation and isospin effect induced by antiprotons	Zhaoqing Feng (South China University of Technology)
113F	15:15 -	Impacts of cluster correlations on heavy-ion collision dynamics	Akira Ono (Tohoku)
115F	15:35 -	Study of light cluster production in intermediate energetic heavy-RI collision at RIBF	Masanori Kaneko (Kyoto)
199F	15:55 -	Coulomb breakup reaction of one neutron halo nucleus ³¹ Ne	Takato Tomai (TITech)
184F	16:15 -	Different clusterization algorithms and their effect on studying cluster correlations at intermediate energy heavy-ion collisions	Rohit Kumar (Panjab University)

Paralle	12	17:05 - 19:10	
A-2		Small Hall	
94A	17:05 -	Fission Valleys for HE and SHE	Tilak Ghosh (VECC)
63A	17:30 -	A comprehensive analysis of incomplete fusion reactions in ${\rm ^{16}O+^{159}Tb}$ System	Bhanu Singh (Aligarh Muslim University)
88A	17:50 -	Charge-clustering and weak binding in direct reactions of ⁸ Li: consequences for complete fusion	Kaitlin Cook (ANU)
105A	18:10 -	Effects of non-zero spin in sub-barrier fusion involving odd mass nuclei: the case of ³⁶ S+ ⁵⁰ Ti, ⁵¹ V	Giulia Colluchi (INFN-Sezione Padova)
164A	18:30 -	Suppression of Fusion in Heavy Ion Collisions by Energy Dissipation	Dongyun Jeung (ANU)

G-1		Room 401	
244G	17:05 -	di-Omega from lattice QCD	Shinya Gongyo (RIKEN)
29G	17:30 -	Baryon-baryon femtoscopy in pp and p-A collisions	Andreas Mathis (TU München)
157G	17:50 -	Studying the p - Ξ and p -K interactions with femtoscopy in pp and p -Pb collision systems at ultrarelativistic energies with ALICE	Dimitar Mihaylov (TU München)
106G	18:10 -	Precise measurement on hypertriton and antihypertriton masses with the STAR Heavy Flavor Tracker	Peng Liu (BNL)



		•	-
Parallel	2	17:05 - 19:10	
C1-2		Room 601	
238C	17:05 -	Nuclear structure and dynamics from ab initio theory	Petr Navratil (TRIUMF)
72C	17:30 -	Cluster configuration effects in the elastic scattering of Boron isotopes 8B , ^{10}B , ^{11}B and ^{12}B on ^{58}Ni and ^{10}C on ^{208}Pb .	Valdir Guimaraes (Universidade de São Paulo)
148C	17:50 -	Elastic scattering of polarized protons from ⁶ He at 200 A MeV	Satoshi Sakaguchi (Kyushu)
171C	18:10 -	Possible signature of tensor interactions observed via (p,dN) reaction at large momentum transfer	Satoru Terashima (Beihang University)
64C	18:30 -	A relativistic Eikonal model for the dissociation of one- neutron halo nuclei at high energy	Laura Moschini (Bruxelles)
62C	18:50 -	Probing nucleon-nucleon correlations in heavy ion transfer reactions using large solid angle magnetic spectrometers	Lorenzo Corradi (INFN - Laboratori Nazionali di Legnaro)
C2-2		Room 602	
236C	17:05 -	First Spectroscopy of the Near Drip-line Nucleus ⁴⁰ Mg	Paul Fallon (LBNL)
161C	17:30 -	In-Beam gamma-ray Spectroscopy of ²⁸⁻³⁰ Ne	Masahiro Yasuda (TITech)
4000	4 = = 0		

C2-2		Room 602	
236C	17:05 -	First Spectroscopy of the Near Drip-line Nucleus ⁴⁰ Mg	Paul Fallon (LBNL)
161C	17:30 -	In-Beam gamma-ray Spectroscopy of ²⁸⁻³⁰ Ne	Masahiro Yasuda (TITech)
133C	17:50 -	Excitation modes and rotational moment of inertia in triaxial nuclei	Kouhei Washiyama (Tsukuba)
69C	18:10 -	Magnetic moment of ^{75m} Cu measured with a highly spin- aligned beam	Yuichi Ichikawa (RIKEN)
18C	18:30 -	Shape transition in light short-lived actinides and the absence of $Z = 92$ sub-shell closure	Zhong Liu (IMP-CAS)
83c	18:50 -	Systematic investigation of nucleon knockout around ¹³² Sn	Jose Benlliure (University of Santiago de Compostela)

D-2		Room 402	
142D	17:05 -	Impact of Uncertainties in Nuclear Reaction Cross Sections on Nucleosynthesis Beyond Fe	Thomas Rauscher (Basel)
98D	17:30 -	Compact stars with strange interactions in a modified quark meson coupling model (MQMC)	Rabindranath Mishra (Ravenshaw University)
34D	17:50 -	Excitation of baryon resonances in isobaric charge-exchange reactions of medium-mass nuclei	Jose Luis Rodriguez- Sanchez (University of Santiago de Compostela)
185D	18:10 -	Delta matter in neutron stars in a relativistic quark model	Himanshu Sahoo (Ravenshaw University)
209D	18:30 -	Study of the E α = 395 keV resonance of the ²² Ne(α , γ) ²⁶ Mg reaction at LUNA	Antonio Caciolli (University and INFN of Padova)
103D	18:50 -	First Measurements of 19 F(α , p) 22 Ne and 19 F(p , α) 16 O Reactions at Astrophysical Energies: Implication for Stellar Nucleosynthesis	Sara Palmerini (University of Perugia & INFN Perugia)

Paralle	12	17:05 - 19:10	
E-2		Room 403	
240E	17:05 -	Experiments probing nuclear symmetry energy at suprasaturation densities	Tetsuya Murakami (Kyoto University)
20E	17:30 -	Constraints of Symmetry energy from HICs	Yingxun Zhang (CIAE)
50E	17:50 -	Hadron-quark phase transition - the QCD phase diagram and stellar conversion	Debora PeresMenezes (UFSC)
93E	18:10 -	Neutron-proton dynamics and pion production in heavy-ion collisions by the AMD+JAM approach	Natsumi Ikeno (Tottori University)
198E	18:30 -	Probing the Equation of State of Asymmetric Nuclear Matter with Heavy Ion Collisions	Zbigniew Chajecki (Western Michigan University)
150E	18:50 -	Collective flow at neutron rich Sn + Sn collisions with 270MeV/u	Mizuki Kurata-Nishimura (RIKEN)

F-2		Room 404	
253F	17:05 -	Electromagnetic Interaction Model Calculation of the Very Forward Neutron Transverse Single Spin Asymmetry in Polarized Proton + Nucleus Collision at RHIC	Itaru Nakagawa (RIKEN Nishina Center)
70F	17:30 -	Recent results from the strong interaction program of the NA61/SHINE experiment and physics plans beyond 2020	Roman Planeta (Jagiellonian)
80F	17:55 -	Rapidity decorrelation from hydrodynamic fluctuations and initial fluctuations	Azumi Sakai (Sophia University)
151F	18:15 -	Dynamically integrated transport model for high-energy nuclear collisions at $3 < \sqrt{S_{NN}} < 30 \text{ GeV}$	Koichi Murase (Sophia University)



Wednesday December 5

Paralle	13	14:30 - 16:35	
A-3		Small Hall	
116A	14:30 -	Quasifission and fusion probabilities in tip collisions with deformed actinide nuclei	David Hinde (ANU)
12A	14:55 -	CDCC calculations of total fusion of projectiles ⁶ Li and ⁷ Li with targets ²⁸ Si, ⁵⁹ Co, ⁹⁶ Zr, ¹⁴⁴ Sm and ²⁰⁹ Bi: Effect of resonance states	Arturo Gomez Camacho (Instituto Nacional de Investigaciones Nculeares)
96A	15:15 -	Resonant breakup of ⁷ Li in ¹¹² Sn(⁷ Li, ⁷ Li* $\rightarrow \alpha + t$) reaction	Dipayan Chattopadhyay (Bhabha Atomic Reserach Centre)
124A	15:35 -	Role of octupole deformed shell effects on the fission of nuclei in the mercury region	Cedric Simenel (ANU)
170A	15:55 -	IMFs production in the reactions $^{78,86}Kr + ^{40,48}Ca$ at 10 AMeV	Brunilde Gnoffo (INFN Sez. Catania)

B-2		Room 401	
217B	14:30 -	MRTOF Mass Spectrographs at RIKEN RIBFtoward comprehensive mass measurements of >1000 nuclides including super heavy nuclides	Michiharu Wada (KEK)
66B	14:55 -	Barrier distribution for fusion to synthesize superheavy elements: role of static deformation of a target nucleus	Kouichi Hagino (Tohoku)
73B	15:15 -	Fusion Dynamics for Hot Fusion Reactions revealed in Quasielastic Fusion Barrier Distributions	Taiki Tanaka (RIKEN/Kyushu)
60B	15:35 -	Study of the multinucleon transfer channels in the ¹⁹⁷ Au+ ¹³⁰ Te reaction through a high-resolution kinematic coincidence	Enrico Fioretto (INFN - LNL)
177B	15:55 -	Barrier distribution measurement for a system with actinide target	Gurpreet Kaur (Inter University Accelerator Centre)

C1-3		Room 601	
130C	14:30 -	Experimental study of neutron rich oxygen isotopes beyond the drip line	Yosuke Kondo (TITech)
144C	14:55 -	Observation of new boron and nitrogen isotopes	Miguel Marques (LPC-Caen)
134C	15:15 -	Mechanism of two-proton emission from the IAS of ²² Mg	Deqing Fang (Shanghai Institute of Applied Physics, Chinese Academy of Sciences)
40C	15:35 -	Evidence for resonances in the 7α disassembly of highly excited ²⁸ Si and the question of toroidal high-spin isomers	Xiguang Cao (Shanghai Institute of Applied Physics, Chinese Academy of Sciences)
111C	15:55 -	Three-body description of 2 <i>n</i> -halo and unbound 2 <i>n</i> -systems: ²² C and ²⁶ O	Singh Jagjit (Hokkaido University)

Parallel	3	14:30 - 16:35	
C2-3		Room 602	
99C	14:30 -	Low-lying quadrupole and octupole collective excitations in (112,116,118,120,122,124)Sn isotopes	Ananya Kundu (Bhabha Atomic Research Centre)
75C	14:55 -	Blurring boundary between the seniority regime and collective motion	Chong Qi (KTH Royal Institute of Technology)
95C	15:15 -	Valence particle/hole-core couplings in neutron-rich, exotic nuclei	Simone Bottoni (University of Milan and INFN)
101C	15:35 -	Beta-gamma spectroscopy of ¹⁹⁵ Os at KISS	Ahmed Murad (Tsukuba)
24C	15:55 -	Reaction Mechanisms of Exotic Nuclear Systems at Low Energies	Lin Chengjian (CIAE)
44C	16:15 -	Nonadiabatic quasiparticle approach to study configuration mixing in triaxially deformed ¹²⁹ Xe	Modi Swati (Indian Institute of Technology Roorkee)

D-3		Room 402	
53D	14:30 -	Studies on nuclear astrophysics and nuclear clustering with low-energy RI beams at CRIB	Hidetoshi Yamaguchi (CNS, U-Tokyo)
33D	14:55 -	Experimental investigation of ⁷ Be+ <i>d</i> and implications in the Big Bang Nucleosynthesis.	Nabin Rijal (FSU/MSU/JINA)
127D	15:15 -	The ${}^{7}\text{Be}(n,\alpha){}^{4}\text{He}$ reaction studied via THM for the cosmological Li-problem	Seiya Hayakawa (CNS, U-Tokyo)
37D	15:35 -	The S_{E1} factor of radiative α capture on ^{12}C in effective field theory	Shung-Ichi Ando (Sunmoon University)
137D	15:55 -	Insights on the carbon burning at astrophysical energies by fast-timing gamma-particle coincident measurements	Sandrine Courtin (IPHC and University of Strasbourg)
32D	16:15 -	Characterizing the astrophysical S-factor for $^{12}\text{C} + ^{12}\text{C}$ with wave-packet dynamics	Alexis Diaz-Torres (Surrey)



Paralle	13	14:30 - 16:35	
E-3		Room 403	
255H	14:30 -	Studies of dense matter in heavy-ion collisions at J-PARC	Hiroyuki Sako (JAEA)
58E	14:55 -	Tale of coherent photon products: from UPC to HHIC	Wangmei Zha (University of Science and Technology of China)
84E	15:15 -	Collision energy and centrality dependence of light nuclei (triton) production at STAR	Dingwei Zhang (CCNU)
140E	15:35 -	Extracting High-Density QCD properties from Heavy Ion-Collisions at J-PARC energy regions	Atsushi Nakamura (Far Eastern Federal University)
47E	15:55 -	Combined Constraints on the Equation of State of Dense Neutron-rich Matter from Terrestrial Nuclear Experiments and Observations of Neutron Stars	Naibo Zhang (Shandong University)
179E	16:15 -	Hyperons in dense matter: what do the constraints tell us for equation of state?	Constança Providencia (Universidade de Coimbra)

JK-1		Room 404	
173J	14:30 -	Development of the gaseous Xe scintillation detector for the particle identification of high intensity and heavy RI beams	Tomoya Harada (Toho Univ. / RIKEN)
203H	14:50 -	Status of Large-Acceptance Multipurpose Spectrometer at RAON	Byungsik Hong (Korea University)
196J	15:10 -	Plastic scintillator (PPO) with efficient neutron/gamma pulse shape discrimination.	Gaetano Lanzalone (University of Enna "Kore" & INFN LNS, Catania)
15J	15:30 -	Detailed characterization of a large-sized EJ-299-33A plastic scintillator detector	Pratap Roy (VECC)
43J	15:50 -	The NArCos Project	EmanueleVincenzo Pagano (INFN-LNS)

Friday December 7

Parallel	4	14:30 - 16:35	
A-4		Small Hall	
224A	14:30 -	Nuclear Fission Dynamics	Aurel Bulgac (Washington)
89A	14:55 -	Quantum surface friction model for fusion reactions around the Coulomb barrier	Masaaki Tokieda (Tohoku)
165A	15:15 -	Neutron multiplicity measurements for the near super-heavy nucleus ²⁶⁰ Rf	Meenu Thakur (Panjab University)
121A	15:35 -	Origins of above-barrier fusion hindrance of light, weakly-bound nuclides	Edward Simpson (ANU)

G-2		Room 401	
258G	14:30 -	New Perspectives for Hadron and Nuclear Physics from Light Front Holography and Superconformal Algebra	Stanley J. Brodsky (SLAC)
71G	14:55 -	Intrinsic charm search at the J-PARC high momentum beamline	Yuhei Morino (KEK)
90G	15:15 -	Latest results on heavy quarkonium measurements in $p+p$, $p+Au$ and $Au+Au$ collisions at STAR	Yi Yang (National Cheng Kung University)
166G	15:35 -	Transverse single spin asymmetry for very forward π^0 production in polarized $p+p$ collisions at sqrt(s) = 510 GeV	Kiyoshi Tanida (JAEA)

C1-4		Room 601	
266C	14:30 -	Self-organization of atomic nuclei and prospect for stable superheavy nuclei	Takaharu Otsuka (Tokyo)
74C	14:55 -	Radii and binding energies in He and oxygen isotopes: a puzzle for nuclear forces	Valérie Lapoux (CEA Saclay)
190C	15:15 -	Probing the evolution of nuclear structure and the nuclear force using reaction spectroscopy with re-accelerated beams of rare isotopes	Rituparna Kanungo (Saint Mary's University, TRIUMF)
153C	15:35 -	Gamow-Teller giant resonance in ¹³² Sn	Masaki Sasano (RIKEN Nishina Center)



Parallel 4		14:30 - 16:35	
C2-4		Room 602	
119C	14:30 -	Charge-changing cross section measurements at around 300 MeV/nucleon at HIRFL-CSR	Bao-Hua Sun (Beihang)
186C	14:55 -	Matter radius of two-neutron halo nucleus ²² C	Yasuhiro Togano (Rikkyo University)
108C	15:15 -	Reaction cross section measurement for the systems ⁷ Be, ⁸ B+ ²⁰⁸ Pb at Coulomb barrier energies	Marco Mazzocco (University of Padova and INFN-Sezione di Padova)
30C	15:35 -	Isospin dependence from the entrance channel in projectile- like fission at Fermi energies	Enrico DeFilippo (INFN Catania)
187C	15:55 -	Nuclear matter radii of Ca isotopes across the neutron magic number $N = 28$ via interaction cross section measurements	Masaomi Tanaka (Kyushu)

E-4	Room 403		
256Н	14:30 -	Heavy Ion Physics Program in China	Nu Xu (IMP-CAS)
46E	14:55 -	In-medium properties of Lambda in Pion-Induced Reactions at 1.7 GeV/c	Steffen Maurus (TU München)
54E	15:15 -	Energy and system size dependent charged-particle production measured with ALICE	Patrick Huhn (Frankfurt)
110E	15:35 -	Dileptons and direct virtual photons in heavy-ion collisions at STAR	Chi Yang (Shandong University)

JK-2		Room 404	
138K	14:30 -	Nuclear reaction study for long-lived fission products in high- level radioactive waste: Cross section measurements for proton- and deuteron-induced spallation reactions of long- lived fission products	He Wang (RIKEN Nishina Center)
97J	14:50 -	Using the Trojan Horse Method to discern α_0 and α_1 channels for the $^{10}\text{B}(n,\alpha)^7\text{Li}$ reaction	Roberta Spartà (LNS INFN)
188K	15:10 -	Analysis of the $^{16}\text{O}(p,pn)^{15}\text{O}$ reaction using the CDCC method	Ichinkhorloo Dagvadorj (Hokkaido University)

Poster Sessions

Poster	Presenter	Title
27A	Shabnam Mohsina (VECC)	Pre-equilibrium evaporation in nuclear fusion
77A	Guillaume Scamps (Tsukuba)	Effect of the octupole deformation on fission asymmetry for actinides
100A	Rudra Sahoo (Indian Institute of Technology Ropar)	Towards understanding of fusion dynamics in ^{35,37} Cl+ ¹³⁰ Te systems
25A	Taraknath Nag (Bhabha Atomic Reserach Centre, Mumbai)	Kinetic energy spectra and angular distributions of projectile like fragments in $^{12}\text{C}+^{93}\text{Nb}$ reaction
35A	Shivani Jain (Thapar Institute of Engineering and Technology)	Effect of octupole and related orientations in the dynamics of ¹⁶ O+ ¹⁴⁴ Ba, ²²⁴ Ra reactions
159A	Aziz Aziz (KSU)	Characteristics of the primary fission fragments produced from the Xe+Sn reactions at $E=18-25\ A\ MeV$
61A	Mohammad Shuaib (Aligarh Muslim University)	Systematic study of projectile break-up on fusion cross-sections at energies at 4 - 7 MeV/nucleon: Recent results
55B	Toshitaka Niwase (RIKEN/Kyushu)	Measurement of fusion barrier distribution in $^{51}\text{V} + ^{208}\text{Pb}$ system
81B	Zaiguo Gan (IMP-CAS)	Discovery of the new isotope ²¹⁹ Np
36C	Magda Cicerchia (INFN-LNL)	Clustering structure effects investigated comparing fast and thermal emission processes
14C	Pratap Roy (VECC)	Excitation energy dependence of nuclear level density and the role of collective excitations
19C	Yinlu Han (CAE)	Global Optical Model Potential for Some Projectiles
120C	Supriya Karan (Utkai)	Ground state properties of finite nuclei with Quark Meson Coupling Model
136C	Md. Shaikh (VECC)	Barrier distribution from back angle quasi-elastic excitation function for $^7\mathrm{Li} + ^{64}\mathrm{Ni}$ system at near barrier energies
145C	Pylyp Kuznietsov (V.N. Karazin Kharkiv)	Monte-Carlo simulation of ³ H and ³ He wave functions
149C	Jian Gao (RIKEN)	Study of Gamow-Teller Transition on ¹⁴ Be with PANDORA
155C	Naotaka Yoshinaga (Saitama)	Neutrinoless double-beta decay rates around mass 130 in the nuclear shell model
189C	Xiaohui Sun (RIKEN Nishina Center)	Reaction study on spallation and fragmentation of ¹³⁶ Xe induced by proton, deuteron and carbon
192C	Nobuo Hinohara (Tsukuba)	Energy-weighted sum rule for nuclear density functional theory
205C	Joochun (Jason) Park (Lund)	Sub-barrier Coulomb excitation of 106,108,110Sn
26C	Xiaoyu Liu (IMP-CAS)	Gamma-spectroscopy of 63,65,67 Mn: Strong coupling in the $N{\sim}40$ island of inversion and the implication in Urca neutrino cooling in accreted neutron star crust
68C	Ya Tu (Shenyang Normal Univ.)	Beyond-mean-field effects on nuclear triaxiality
112C	Makoto Nakao (Kansai)	Coulomb shift in two-center mirror systems



Poster	Presenter	Title
129C	Andrey Danilov (NRC "Kurchatov Institute")	Triplet ¹² B- ¹² C- ¹² N: Search for states with halo
146C	Gaurav Saxena (Govt. Women Engineering College, Ajmer)	Systematic Study of Bubble Structure in Proton Magic Nuclei
174C	Preeti Bansal (Panjab University)	Probing isospin effects via nuclear fragmentation
202C	Vishal Srivastava (Saha Institute)	Structure of the states of the nucleus ²⁵ Mg
207C	Alexander Knyazev (Lund)	CALIFA for R3B@FAIR
197C	Mitsunori Fukuda (Osaka)	Possibility to employ nucleon pickup cross sections to look into nucleon momentum distributions in nuclei
8C	Pavel Zarubin (JINR)	Unstable nuclei in dissociation of light stable and radioactive nuclei in nuclear track emulsion
22C	Yongli Xu (Shanxi Datong Univ.)	New extended Skyrme interaction for nuclear properties and nuclear reactions
107C	Tamara Niksic (Zagreb)	Applications of the microscopic self-consistent mean-field framework
132C	Kota Yanase (Saitama)	Large-scale shell-model calculation around ²⁰⁸ Pb
135C	Akira Homma (Niigata)	Development of a method to deduce point-proton radii from charge changing cross section
169C	Midori Miwa (Saitama)	Production of neutron-rich nuclei via 2-proton knockout with deuterium target
221C	Kostyantyn Cherevko (Taras Shevchenko National University)	On evaluating the curvature correction term to the surface tension coefficient of nuclear matter
56E	Tusarranjan Routray (SAMBALPUR)	Study of Finite nuclei to Isospin rich dense Nuclear Matter using the Finite Range Simple Effective Interaction
79E	Somnath Mukhopadhyay (VECC)	Mass-Radius Relationship of Neutron Stars admixed with Fermionic Asymmetric Dark Matter
204E	Tsuyoshi Miyatsu (Tokyo University of Science)	The role of Fock terms on nuclear symmetry energy and its slope parameter in a relativistic framework
208E	Amandeep Kaur (Thapar Institute)	To probe the density of participant zone in heavy ion collisions.
65E	Suchanya Junsen (University of Phayao)	The effect of nuclear equation of state on the elliptic flow in heavy ion collision by using quantum molecular dynamics model
163E	Somorendro Shougaijam (Delhi)	Equation of state (EOS) in a magnetized PNJL model
49F	Yuuka Kanakubo (Sophia Univ.)	Strangeness enhancement in $p+p$, $p+Pb$ and $Pb+Pb$ collisions at the LHC energies
118F	Zhiming Li (CCNU)	Probing large density fluctuations from intermittency analysis in relativistic heavy-ion collisions
147F	Jose Rodriguez-Sanchez (Santiago de Compostela)	Production of strangeness particles and hypernuclei in spallation and fragmentation reactions
183F	Takahiro Miura (Osaka)	Time evolution of a quarkonium towards the thermal equilibrium in the quark-gluon plasma
162F	Somorendro Shougaijam (Delhi)	Diphoton production in a chemically equilibriated QGP
220F	Kostyantyn Cherevko (Taras Shevchenko National University)	Hydrodynamic model of the "doughnut" structures formation in the head- on heavy ion collisions
178H	Mahananda Dasgupta (ANU)	⁶ He measurements with the Australian radioactive beam capability SOLEROO
41K	Xiaolong Huang (CIAE)	Evaluation the excitation function of 69 Ga $(n,2n)^{68}$ Ga reaction

NN2018 Organization

Chairperson

Tomohiro Uesaka (RIKEN Nishina Center)

International Advisory Committee

A. Aprahamian (Notre Dame)

F. Azaiez (iThemba LABS)

M. Borge (CERN)

A. Bracco (INFN) R. Crespo (Lisboa)

M. Dasgupta (ANU)

L. Fabbietti (TU Munchen)

M. Freer (Birmingham)

Z. Fulop (ATOMKI)

A. Gade (MSU)

S. Gales (IN2P3)

P. Giubellino (GSI/FAIR)

H. Hamagaki (NiAS)

S. Hofmann (GSI)

M. Hussein (USP) M. Itkis (JINR)

B. Jacak (LBNL)

S.C. Jeong (IBS)

D.T. Khoa (INST)

R. Krucken (TRIUMF)

B.A. Li (Texas A&M)

W. G. Lynch (MSU)

Y.G. Ma (SINAP)

Z. Majka (Jagiellonian)

J.A. Maruhn (Frankfurt)

L. McLerran (BNL)

H. Miyatake (KEK) (INFN)

E. Nappi

W. Nazarewicz (MSU/FRIB)

N. Rowley (IN2P3)

A. Roy (VECC)

H. Sakurai (RIKEN Nishina Center)

C. Spitaleri (INFN)

L. Trache (IFIN-HH)

J. Wambach (TU Darmstadt)

N. Xu (LBNL)

Y. Ye (PKU)

H.O. Zhang (CIAE)

Program Committee

Y. Akiba (RIKEN Nishina Center)

K. Hagino (Tohoku) K. Morita (Kyushu)

T. Murakami (QST)

T. Nagae (Kyoto)

C. Nonaka (Nagova)

A. Odahara (Osaka)

S. Shimoura (CNS, U-Tokyo)

Local Organizing Committee (RIKEN Nishina Center)

T. Uesaka (chair)D. SuzukiT. IsobeS. YokkaichiH. OtsuN. Miyauchi

T. Motobayashi E. Isogai (secretary)
M. Sasano K. Sakuma (secretary)

This conference is

- Hosted by RIKEN Nishina Center
- Sponsored by IUPAP and ANPhA (AAPPS DNP)
- Supported by Kyushu University
- Supported by Saitama Tourism and International Relations Bureau and Saitama Foundation For Culture And Industry
- This conference is a part of RIKEN Symposium Series











SaitamaTourism and International Relations

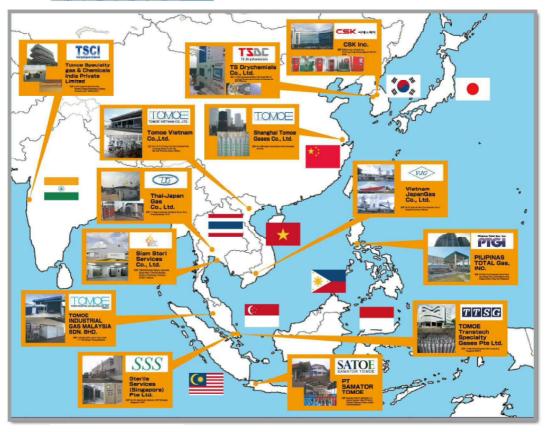




Statement of IUPAP Policy

To secure IUPAP sponsorship, the organisers have provided assurance that NN2018 will be conducted in accordance with IUPAP principles as stated in the IUPAP resolution passed by the General Assembly in 2008 and 2011. In particular, no bona fide scientist will be excluded from participation on the grounds of national origin, nationality, or political considerations unrelated to science.

INTERNATIONAL NETWORK



OUTLINE of our service

Industrial gas filling & sales

Specialty gas sales

Contracted services of Sterilization

(EtO and Gamma)

Engineering service

Equipment sells

Chemical and petrochemical sells



Specialty gas Wet scrubber







TOMOESHOKAI YOKOHAMA GAS terminal



NTERMEDIATE TRADE CHINA - VIETNAM INDIA - INDONESIA THAILAND - VIETNAM

We sincerely hope you will be with us.

Journal of Physics G

Nuclear and Particle Physics

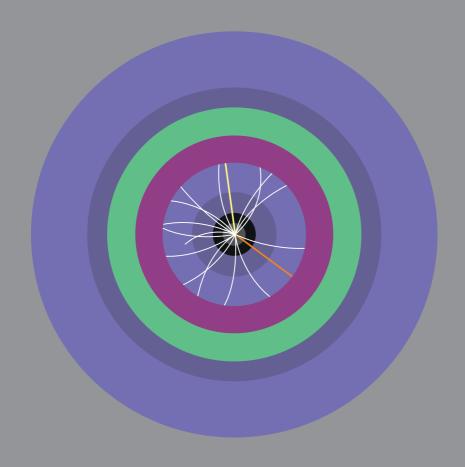
Editor-in-Chief

Professor Jacek Dobaczewski University of York, UK

iopscience.org/jphysg

Image: An artistic impression of a collision at CERN's Large Hadron Collider.

Impact Factor 3.456





〜拡がる真空用途、広げる製品群〜 Widen Vacuum Application then Expand Vacuum Products

大阪真空の約70年にわたる真空機器の実績と経験が評価され、医療用加速器、 放射光施設等の現場で使用される真空機器、真空システム及び制御盤の設計・製造 を担うことが出来、国内外のユーザに継続採用されています。

Our great achievements and experiences of vacuum equipment for over about 70 years have been admired and lead to new business fields.



ターボ分子ポンプ Turbo Molecular Pumps 用途に合わせたターボ分子ポンプの提供

We are able to offer our Turbo Molecular Pumps that satisfy customer's application.

- 外乱に強く、長期間使用可能ターボ分子ポンプTG-Fシリーズ TG-F series: Strong vibration and acceleration tolerance, long pump life
- 耐放射線仕様特殊型ターボ分子ポンプTG-MRシリーズ Radiation-hardened Magnetically Levitated Turbo Molecular Pump TG-MR series

排気ユニット Turbo Molecular Pumping System カスタマイズ可能な排気ユニット

Customizable pumping system

- 外乱に強い排気ユニットSTシリーズ
- ST series: Strong vibration and acceleration tolerance
- キャスター付、カスタマイズ排気ユニット
 Portable with four casters, customizable pumping system

真空ポンプ Vacuum Pumps

真空技術・その周辺知識の提供も可能

We are able to provide vacuum technology and related knowledge

- 直結型油回転真空ポンプ
- Oil Sealed Rotary Vane Pumps ● ドライ真空ポンプ
- ▶ ドライ真空ボンブDry Vacuum Pumps

東日本営業部 / Tokyo main office

〒104-0061 東京都中央区銀座8-14-14 8-14-14 Ginza, Chuo-ku, Tokyo 104-0061, Japan

TEL.03-3546-3731/FAX.03-3546-1560

名古屋営業所 / Nagoya office

〒460-0002 名古屋市中区丸の内3丁目18 番1号3-18-1 Marunouchi, Naka-ku, Nagoya 460-0002, Japan TEL 052-950-3051 FAX 052-950-3062

西日本営業部 / Osaka head office

〒541-0042 大阪市中央区今橋3-3-13 3-3-13, Imabashi, Chuo-ku, Osaka 541-0042, Japan

TEL.06-6203-3981/FAX.06-6222-3645



https://www.osakavacuum.co.jp/

