

NAPS2024

International workshop “Nuclear Astrophysics with Stable Beam 2024”

Tokai, Ibaraki, Japan, 20 -22 February 2024

Final circular

Dear colleagues

International workshop “Nuclear Astrophysics with Stable Beam 2024 (NAPS2024)” will be held from 20th Feb. to 22nd Feb. 2024 in Tokai, Ibaraki, Japan. The workshop is supported by

- ❖ Advanced Science Research Center (ASRC), Japan Atomic Energy Agency (JAEA)
- ❖ JSPS A3 Foresight Program
- ❖ Ukakuren (Japan Forum of Nuclear Astrophysics)

Workshop Web page is available at <https://asrc.jaea.go.jp/soshiki/gr/HENS-gr/NAPS2024/>

Scope of the workshop

In the NAPS2024, we will focus on nuclear reactions and structure relevant to nucleosynthesis in stars, by highlighting key reactions which can be studied using stable ion beams. We will exchange new ideas in experiment and theory, whereby possible collaboration programs will be also discussed among the participants. The subjects to be discussed include,

- (1) Big bang nucleosynthesis
- (2) s-process
- (3) rp-process
- (4) Fission recycle for r-process
- (5) Stellar burning

Workshop venue

The workshop will be held at “*Tokai Village Museum*”, Tokai, Ibaraki, Japan.

<https://www.guidoor.jp/en/places/6299>

The venue is located within a 10-minute walk from the JR Tokai station.

We will provide a bus from the hotel “Terrace Inn Katsuta” every morning.

Program

The program will consist of talks from the following invited speakers, supplemented by talks selected from the submitted abstracts, a tour of local facilities and a conference dinner.

The program is available on the Workshop Web page. You can directly access it from:

https://asrc.jaea.go.jp/soshiki/gr/HENS-gr/NAPS2024/Program_NAPS2024_Tokai.pdf

Invited Speakers:

S. Ahn (CENS),	Y. Aritomo (Kindai),	M. Asai (JAEA),
K. Chae (Sungkyunkwan),	S. Hayakawa (CNS),	Y. Hirayama (KEK),
K. Hirose (JAEA),	N. Iwamoto (JAEA),	N. Iwasa (Tohoku),
S. Kimura (KEK),	Y. H. Lam (IMP),	W. Liu (CIAE),
H. Makii (JAEA),	M. Mumpower (LANL),	K. Sakanashi (Osaka),
S. Shibagaki (Wrocławski),	D. Suzuki (RIKEN),	X. Tang (IMP),
Y. Taniguchi (Kagawa College),	T. Teranishi (Kyushu),	N. Tominaga (NAOJ),
A. Tumino (Catania),	S. Q. Yan (CIAE)	

Information for Oral speakers

Please use your own laptops for the presentation. You can use VGA and HDMI cables to project your presentation on a screen.

Wi-Fi

Free Wi-Fi is available at the workshop venue, although the number of simultaneous connections is limited.

Access

The nearest major international airports are Tokyo-Haneda and Tokyo-Narita. From these airports, you can reach Katsuta, where many participants will stay, and Tokai, where the venue is located, via Shinagawa Station, Ueno Station, etc. on the JR Joban Line as shown on the map on the web at https://asrc.jaea.go.jp/soshiki/gr/HENS-gr/NAPS2024/JR-Line_V3.JPG. For more details, please see the workshop web page.

Social Dinner

We will have social dinner on the evening of **February 20, 2024 (Changed)**. The venue will be a Japanese style restaurant (“居酒屋”) called “金満” (Kinman) near Katsuta Station. The fee is 6,600 yen. We will collect the money at the registration and coffee break time on February 20. After the program of that day is finished, we will take the bus to the restaurant.

Tour

We will visit JAEA tandem accelerator facility in Nuclear Science Research Institute of JAEA, <https://ttandem.jaea.go.jp/index-eng.html>, on **February 21, 2024**. We will prepare the bus to go to the campus. After the tour, the bus will take you to the hotel “Terrace Inn Katsuta”.

Accommodation

There are a number of hotels close to JR Katsuta Station and JR Mito Station, which are 10 and 15 minutes by the local train from JR Tokai Station, respectively. Please see the map on the web, https://asrc.jaea.go.jp/soshiki/gr/HENS-gr/NAPS2024/JR-Line_V3.JPG for details.

Organizing Committee

K. Nishio (JAEA)-Chair, H. Makii (JAEA)-Scientific Secretary, S. Kubono (RIKEN), W. Liu (CIAE), N. Iwasa (Tohoku Univ.), X. Tang (IMP), K. Chae (Sungkyunkwan), S. Ahn (IBS), S.Q. Yan (CIAE), T. Kawabata (Osaka Univ.), A.N. Andreyev (Univ. of York), T. Katabuchi (Tokyo Tech), H. Yamaguchi (CNS, Univ. of Tokyo), T. Kajino (Beihang Univ.), T. Teranishi (Kyushu Univ.)

Local Organizing Committee

K. Nishio, H. Makii, H. Koura, N. Iwamoto, A. Kimura, R. Orlandi, J. Smallcombe (JAEA)
S. Kubono (RIKEN)

Information

For more information, please contact to the local organizing committee.

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