

First circular

Dear colleagues

International workshop “**Nuclear Astrophysics with Stable Beam 2024 (NAPS2024)**” will be held from 20th Feb. to 22th 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 new collaboration programs will be formed between the participants. The topics 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

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-min walking distance from the JR Tokai station.

Program

The program consists of invited talks and oral talks selected from submitted abstracts.

Registration and abstract submission

Those who wish to participate and/or make a presentation can fill the registration form and send abstract to asrc-fission@jaea.go.jp. Template and details can be from the workshop web page.

Deadline for abstract submission for oral presentation **15th Dec. 2023**.

Deadline of registration **26th Jan. 2024**.

Participants who need VISA are encouraged to register as early as possible.

Tour

We will visit JAEA tandem accelerator facility in Nuclear Science Research Institute of JAEA, <https://ttandem.jaea.go.jp/index-eng.html>, on **21st Feb. 2024**.

Social dinner

After the JAEA Tandem tour, we will have a dinner at a restaurant close to JR Katsuta station.

Accommodation

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

Workshop Fees

The workshop is free for all participants.

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)

Schedule

Second circular : Early December 2023 (Announcement of invited speaker)

Final circular : Early February 2024 (program and workshop detail)

Information

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

e-mail : asrc-fission@jaea.go.jp