

The 17th international symposium on Nuclei in the Cosmos (NIC-XVII, 2023)

Apr. 3, 2023

Second Circular

Introduction

The 17th International Symposium on Nuclei in the Cosmos (NIC) will take place at the Science Culture Center (SCC) of the Institute for Basic Science (IBS) and Daejeon Traffic Culture Center in Daejeon (DTCC), Korea. NIC a major bi-annual conference in nuclear astrophysics, covering nuclear physics, astrophysics, astronomy, cosmo-chemistry, and other related fields. NIC XVII is organized by the Center for Exotic Nuclear Studies (CENS) and the Rare Isotope Science Project (RISP) at IBS.

The symposium will cover the following topics:

- Nuclear reaction rates and stellar abundances
- The s-process
- Nuclear properties for astrophysics
- High-density matter
- Novae and X-ray bursts
- Type Ia supernova and the p-process
- Core-collapse supernovae, mergers and the r-process
- Underground nuclear astrophysics
- The early Universe
- Galactic evolution
- Radioactivity and meteorites
- Stellar modelling
- Others (new facilities, instruments, tools, etc)

Website and email

- Indico page: <https://indico.ibs.re.kr/event/nic2023>
- Inquiries about NIC XVII: nic2023@ibs.re.kr

Symposium schedule and format

NIC XVII will start on Sunday, Sep. 17, 2023 with a welcome reception. It will be followed by invited and contributed oral presentations from Sep. 18 to 22, 2023. During the symposium, poster sessions will also be held. NIC XVII will be in-person only.

Venue and access

The reception will be held at the Science Culture Center of IBS, and oral and poster presentations will take place at both the Science Culture Center and Daejeon Traffic Culture Center. Both buildings are adjacent to the IBS Headquarters, and are within walking distance. Daejeon is a metropolitan city with a population of about 1.4 million, located at ~150 km south of Seoul. Daejeon is known to be the Science City of Korea, home to many science, technology and research institutions and universities.

International travel to Korea will involve flights to either Incheon International Airport, or Gimpo International Airport. Further details on the symposium venue and access from both airports are provided in the following page:

<https://indico.ibs.re.kr/event/548/page/344-travel-to-daejeon>

Social events

The following events are planned during the symposium:

- Welcome reception in the evening of Sep. 17 (Sun.)
- Afternoon excursion to RAON and Jeonju (dinner included) on Sep. 20 (Wed.)
- Banquet dinner on Sep. 21 (Thurs.)

The details of the social events of NIC XVII will be posted at:

<https://indico.ibs.re.kr/event/548/page/343-social-events>

Abstract submission

Abstract submission for NIC XVII will be available from Apr. 3 until May 15 on the following Indico web page: <https://indico.ibs.re.kr/event/548/abstracts/>

Abstract submissions will be acknowledged via email, and contributors will be informed of the decisions on oral/poster presentations in early June.

Registration

Registration for NIC XVII on Indico will be available along with the call for abstracts, and the link will be available in early April. Early registration will be accepted from May 1 until July 31. The early registration fee is 450 USD. After this period, online registration with a payment of the fee will open until Sep. 10 at 550 USD. The registration fee for undergraduate and graduate students is 300 USD. The fee for an accompanying person is 100 USD. The registration fee will cover the symposium reception, coffee breaks, poster session snacks, excursion and banquet.

The details and link for payment of the registration fee will be released in the next circular and on the Indico page. Questions regarding the payment can be directed to nic2023@ibs.re.kr from May 1.

NIC School

The School for NIC-XVII for graduate students and young postdocs will be held at the Institute for Basic Science, Sep. 11-15. The school will provide lectures on basics and the current subjects in nuclear astrophysics, from theories to experiments and observations. A separate web page for the school will be open soon.

Support for students

Selected students attending NIC XVII and the NIC School will receive financial support on their accommodation fees.

Assistance with visa

Symposium participants requiring visa assistance are kindly asked to contact nic2023@ibs.re.kr from May 15. Registration fee payment should be made prior to the visa application help request.

Accommodation

Several hotels near the symposium venue have been reserved for room bookings:

- Lotte City Hotel
- Hotel ICC
- Daejeon I-Hotel

Further details and instructions on room reservations will be provided in the link below:

<https://indico.ibs.re.kr/event/548/page/336-accommodation-list>

Important dates

- Second Circular: beginning of 2023
- Abstract submission: Apr. 3 – May 15
- Oral/poster presentation notification: early June
- Early registration with payment: May 1 – July 31
- Registration deadline: Sep. 10

Supporting institutions and organizations

- Particle and Nuclear Physics Institute of IBS
- Asian Nuclear Physics Association (ANPhA)
- RAON Users Association
- Center for Extreme Nuclear Matter (CENuM)
- Origin of Matter and Evolution of Galaxies (OMEG)
- Daejeon Tourism Organization

