First Circular

of the 2019 International Conference on Nuclear Data for Science and Technology (ND2019)

(http://www.nd2019.org)

Background

The China Nuclear Data Center (CNDC) is organizing the 2019 International Conference on Nuclear Data for Science and Technology (ND2019), which will be held on May 19-24 2019, at China National Convention Center in Beijing, China.
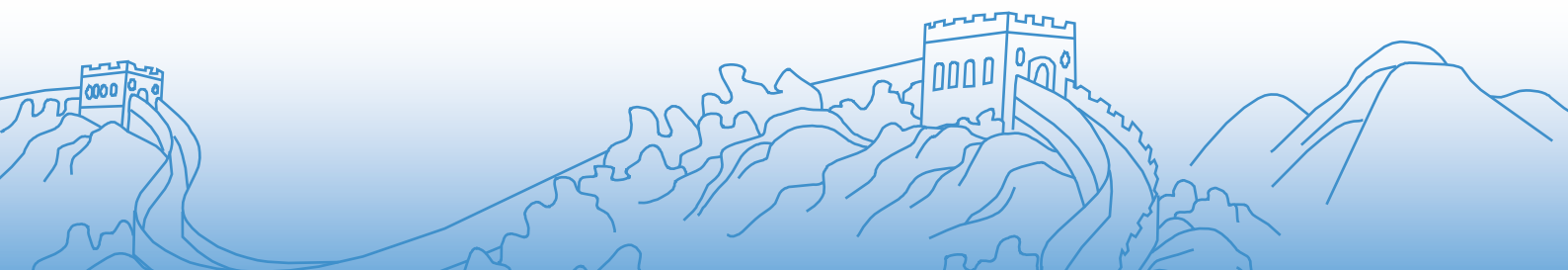
Co-sponsored by the OECD NEA and supported by the IAEA, ND2019 is the fourteenth event of the ND conference series held every three years shifting between America, Europe and Asia. After the success in Harwell (1978) and the following Antwerp (1982), Santa Fe (1985), Mito (1988), Jülich (1991), Gatlinburg (1994), Trieste (1997), Tsukuba (2001), Santa Fe (2004), Nice (2007), Jeju Island (2010), New York (2013) and Bruges (2016), ND conference series have become a major event in not only the nuclear data community but also in all related fields of nuclear science and technology.

The aim of such a conference is to create a forum for all scientists and engineers interested in one of the following topics to present their achievements, share their insights and facilitate potential cooperation.

Topics

Nuclear data is a comprehensive investigational field connecting fundamental physics and nuclear applications, which has been an essence in the development of peaceful use of nuclear. Given the increasingly paramount role of nuclear data in diverse fields of research and application, ND2019 will address many active scientific and technical fields, including but not limited to: fundamental nuclear physics, astrophysics, nuclear data measurements, nuclear power and energy, nuclear medicine, nuclear non-proliferation, nuclear safety, nuclear education and public acceptance. The topics will cover:

- ◆ Nuclear reaction measurements
- ◆ Nuclear masses, structure and decay data measurements
- ◆ Nuclear reaction theory, models and codes
- ◆ Nuclear structure theory, models and codes
- ◆ Fission physics
- ◆ Spallation, high and intermediate energy reactions
- ◆ Nuclear data for astrophysics and cosmology
- ◆ Cross section and decay standards

Topics

- Evaluated libraries
- Nuclear data processing
- Evaluation methodology
- Uncertainty quantification and covariances
- Nuclear data adjustment
- Thermal scattering data
- Data dissemination and international collaboration
- New data formats
- Experimental facilities, equipment, techniques and methods
- Integral experiments
- Validation of evaluated data
- Nuclear data in accelerator related applications
- Nuclear data in fusion application
- Nuclear data in reactor physics and operations
- Medical radioisotopes properties and production
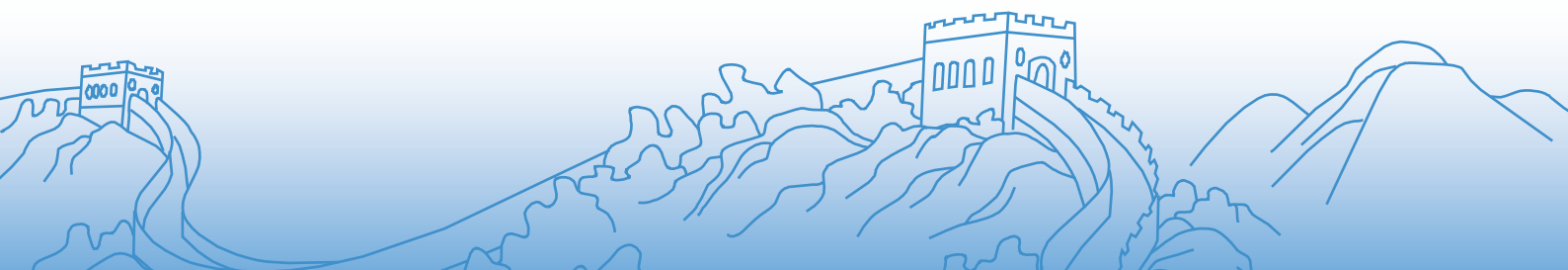- Particle therapy and radiotherapy
- Education and public acceptance

Registration

The registration of ND2019 is about to have three steps.

From now on, all the participants could visit http://www.nd2019.org/ to register for the ND2019 event. First all the potential participants will be asked to create an account to provide the basic information, including the name, affiliation, contact etc.. Then, we'll ask if they plan to submit oral and poster presentations as well as the topics, which will help in planning the scientific program. Finally, we'll ask about the interest in attending the conference dinner, the cost of which will not be included in the registration fee.

Then, we'll begin collecting abstracts in the next few months. The deadline to submit abstracts will be November 1, 2018.

Payment of the registration fee will be done by check or credit card. We will start collecting registration fee around May 19, 2018.

Sponsors & Exhibitors

The sponsorship from nuclear related enterprise is welcome, and ND2019 will provide an excellent opportunity for companies to showcase their services, products and techniques. Please e-mail us at nd2019@chinastargroup.com for more details.

Important Dates & Deadlines

- Oct.01 2018 Early bird Deadline
- Nov.01 2018 Deadline for abstract submission
- Dec.31 2018 Notification of acceptance
- Apr.19 2019 Deadline for on-line registration
- May.19 2019 On-site registration
- Jun.01 2019 Deadline for full-paper submission

Venue

China National Convention Center (CNCC)

ND2019 will be held at CNCC, in the north part of Beijing, which is next to the Olympic Green station of subway line 8. CNCC is in the central area of the Olympic Green Park, surrounded by the China National Stadium (Bird Nest), the National Aquatics Center (Water Cube) and the National Indoor Stadium. It is convenient to reach the city center, airport and Beijing Railway station.
More information can be found at http://www.cnccchina.com.

Contact

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