

The 13th International Conference on Direct Reactions with Exotic Beams DREB2026 Shenzhen, China, Nov 1st-6th, 2026 First Circular

The 13th International Conference on Direct Reactions with Exotic Beams (DREB2026) will be held in Shenzhen, China, from November 1st to 6th, 2026. This DREB conference is part of a biennial series that began in 1999 at MSU, East Lansing, at the initiative of physicists from MSU, IPN-Orsay, and FSU.

Previous meetings in this series were held in: Orsay (2001); Guildford (2003); East Lansing (2005); Wako (2007); Tallahassee (2009); Pisa (2012); Darmstadt (2014); Halifax (2016); Matsue (2018); Santiago de Compostela (2022); Wiesbaden (2024).

The scientific program will focus on the latest experimental and theoretical research and developments in nuclear reactions with exotic nuclei. Topics will include:

- Spectroscopy, shapes and shell evolution in exotic nuclei as seen through direct reactions
- Probing the nuclear force and short-range correlations through direct reactions
- Theoretical developments and advances in direct reaction theory
- Nuclear astrophysics
- New instrumentation for direct reaction studies of exotic nuclei
- Ab initio methods for structure and reactions away from stability
- Clustering phenomena probed by nuclear reactions

In keeping with the tradition of this conference series, the meeting will have a relatively informal character, and no proceedings will be published. The program will primarily consist of contributed presentations and posters, selected from submitted abstracts. The program will be supplemented by a small number of invited or keynote talks.

The conference will focus on new results, particularly those that have not yet been published. We strongly encourage students and other junior researchers to participate.

Information on registration fees, early-career support and accommodation will be provided in the *Second Circular*.

Visa: For entry visa assistance please contact dreb2026@sustech.edu.cn before August 15th, 2026. More details will be provided in the *Second Circular*.

About the City of Shenzhen Located in southern China, Shenzhen is a modern, thriving metropolis known as a leading global technology hub and a special economic zone. Sometimes referred to as "China's Silicon Valley," the city has experienced rapid growth and is recognized for its innovative spirit, modern architecture, and numerous parks and green spaces. Attendees will find a city with a well-developed transportation system and a wide range of cultural attractions, shopping, and dining options.

Attendees can reach to Shenzhen via the Shenzhen Bao'an International Airport (SZX), Hong Kong International Airport (HKG) or Shenzhen North Railway Station. Shuttle buses from these airports/stations will be provided to the conference site by the organizers.

The city is also close to the site of the Heavy Ion Accelerator Facility (HIAF) in Huizhou, which will be under operation from the beginning of 2026. We will offer tour options to the HIAF site as well as other places of interest in Shenzhen city.

Important Dates

First circular and opening of registration October 2nd, 2025

Abstract submission open February 2nd, 2025

Second circular March 1st, 2026

Deadline for abstract submission June 15th, 2026

Notification of oral/poster presentation August 1st, 2026

Early registration deadline September 1st, 2026

Deadline for registration October 10th, 2026

Beginning of DREB2026 November 1st, 2026

International Advisory Committee:

N. Aoi (University of Tokyo); D. Bazin (FRIB, MSU); C. Bertulani (East Texas A&M University); A. Bonaccorso (INFN-Pisa); P. Capel (JGU Mainz); K. Cook (ANU); S. Freeman (University of Manchester); A. Moro (University of Sevilla); T. Nakamura (Science Tokyo); T. Uesaka (RIKEN Nishina Center); N. Timofeyuk (University of Surrey); Y. L. Ye (Peking University); K. Ogata (Kyushu University); R. Kanungo (Saint Mary's University); D. T. Khoa (Institute for Nuclear Science & Technology); C. J. Lin (CIAE); A. Obertelli (TU Darmstadt); R. Raabe (KU Leuven); K. I. Hahn (IBS); V. Guimaraes (University of São Paulo); W. Catford (University of Surrey); N. Keeley (NCBJ); B. Fernández-Domínguez (IGFAE-University of Santiago de Compostela); Marina Petri (University of York); F. M. Marques (LPC-Caen); T. Kawabata (University of Osaka); R.J. deBoer (University of Notre Dame)

The conference is hosted jointly by Southern University of Science and Technology (SUSTech), Institute of Modern Physics (IMP Huizhou), Peking University (PKU), Beijing Normal University (BNU), Tongji University, and Fudan University.

Participants are warmly invited to register and submit abstracts for a presentation or a poster through the conference's Indico webpage at <https://indico.impcas.ac.cn/e/dreb2026>, where additional information can be found.

Organizing Committee:

Jie Chen(SUSTech), Weiping Liu (SUSTech,CIAE), He Wang (IMP), Jin Hooi Ong (IMP), Zaihong Yang (PKU), Jianling Lou(PKU), Hongna Liu (BNU), Lei Jin (Tongji), Deqing Fang (Fudan)

Local Organizers:

Jie Chen, Weiping Liu, Jianmin Liu, Minghui Zhang, Weiliang Pu

Contact: dreb2026@sustech.edu.cn