



## The 12<sup>th</sup> International Conference on Direct Reactions with Exotic Beams DREB2024

Wiesbaden, Germany, June 24<sup>th</sup> – 28<sup>th</sup>, 2024

### First Circular

The 12<sup>th</sup> international conference on Direct Reactions with Exotic Beams (DREB2024) will be held in Wiesbaden, Germany, from June 24<sup>th</sup> to 28<sup>th</sup>, 2024. This DREB conference is part of the biennial series, which began in 1999 at MSU, East Lansing, at the initiative of physicists working in the field from MSU, IPN-Orsay, and FSU. The following meetings were held at Orsay (2001), Guildford (2003), East Lansing (2005), Wako (2007), Tallahassee (2009), Pisa (2012), Darmstadt (2014), Halifax (2016), Matsue (2018), and Santiago de Compostela (2022).

The scientific program will be devoted to the latest experimental and theoretical research and developments in nuclear reactions with exotic nuclei. The topics will include the following subjects relevant to direct reactions:

- Spectroscopy of exotic nuclei
- Shell structure and evolution
- Nuclear force and short-range correlations
- Bulk properties and collective excitations
- Nuclear astrophysics
- Ab initio methods for structure and reactions
- Advances in direct reaction theory
- New instrumentation for direct reaction studies

In keeping the tradition of this conference series, the meeting will be of a relatively informal character: no proceedings will be published. The program of the meeting will consist of contributed presentations and posters to be selected based on the submitted abstracts, in addition to keynote opening talks. The conference program will focus on new results, in particular presentations of yet unpublished results. We strongly encourage junior and early-career researchers to participate.

The city of Wiesbaden is the state capital of Hesse, Germany (<https://wiesbaden.de/>). It is located 30 km west of Frankfurt, 20 km north of Mainz, and only 40 km from GSI/FAIR and TU Darmstadt. It is located centrally in Europe and is easily accessible.

The conference is hosted jointly by GSI/FAIR and the TU Darmstadt.

Participants are warmly invited to register and submit abstracts for a presentation or a poster through the indico webpage of the conference <https://indico.gsi.de/event/17568/>, where additional information can be found.

Contact: [dreb2024@ikp.tu-darmstadt.de](mailto:dreb2024@ikp.tu-darmstadt.de)

## Important dates

First circular and opening of registration	August 22 <sup>nd</sup> , 2023
Abstract submission open	August 22 <sup>nd</sup> , 2023
Second circular	January 1 <sup>st</sup> , 2024
Deadline for abstract submission	January 15 <sup>th</sup> , 2024
Notification of oral/poster presentation	February 1 <sup>st</sup> , 2024
Early registration deadline	March 4 <sup>th</sup> , 2024
Deadline for registration	June 1 <sup>st</sup> , 2024
Beginning of DREB24	June 24 <sup>th</sup> , 2024

## International Advisory Committee

N. Aoi (RCNP, Japan), M. Assié (IJCLab, France), D. Bazin (FRIB, USA), C. Bertulani (Texas A&M Commerce, USA), A. Bonaccorso (INFN-Pisa Italy), P. Capel (JGU Mainz, Germany), W. Catford (University of Surrey, UK), K. Cook (ANU, Australia), D. Cortina-Gil (University of Santiago de Compostela, Spain), H. Crawford (LBNL, USA), W. Dickhoff (Washington University Saint Louis, USA), M. Dupuis (CEA, France), F. Flavigny (LPC Caen, France), H. Fynbo (Aarhus University, Denmark), S. Freeman (University of Manchester, UK; CERN, Switzerland), B. Kay (ANL, USA), A. Moro (University of Sevilla, Spain), D. Morrissey (FRIB, USA), T. Nakamura (Tokyo Institute of Technology, Japan), F. Nunes (FRIB, USA), N. Orr (LPC Caen, France), D. Y. Pang (Beihang University, China), G. Rogatchev (Texas A&M Commerce, USA), K. Sekiguchi (Tokyo Institute of Technology, Japan), S. Shimoura (RIKEN Nishina Center, Japan), V. Soma (CEA, France), T. Uesaka (RIKEN Nishina Center, Japan), N. Timofeyuk (University of Surrey, UK), Y. L. Ye (Peking University, China).

## Local Organizers

Thomas Aumann (TU Darmstadt, GSI), Meytal Duer (TU Darmstadt), Alexandre Obertelli (TU Darmstadt), Haik Simon (GSI), Kathrin Wimmer (GSI).