

HOHENRODA/ GERMANY

EURORIB¹⁵

7th – 12th JUNE, 2015

SECOND CIRCULAR

EURORIB'15 - European Radioactive Ion Beam Conference 2015

The fourth international EURORIB conference "EURORIB'15" will be held from June 7 to June 12, 2015 at Hohenroda (Hessen), Germany.

Scope of the conference

The nuclear physics community is eagerly awaiting the completion of the next generation Radioactive Ion Beam (RIB) facilities in Europe: HIE-ISOLDE@CERN, NUSTAR@FAIR, SPES@LNL, SPIRAL2@GANIL, and the future EURISOL. The collaborations built around these facilities are exploring new experimental and theoretical ideas that will advance the understanding of nuclear structure and reactions as well as nuclear astrophysics through studies of exotic nuclei. This might trigger new applications of nuclear physics using radioactive ion beams.

Following the spirit of the conferences held in Giens (2008), Lamoura (2010), and Abano Terme/Padova (2012), the EURORIB'15 will provide the opportunity for the different collaborations to come together and present new ideas, and explore the synergies between the research programs based around the different accelerator projects.

The main topics to be discussed at this conference are:

- Future RIB facilities
- At and beyond the dripline and new modes of radioactivity
- Nuclear structure far from stability
- Heavy and superheavy nuclei
- Dynamics and Thermodynamics of exotic nuclear systems
- Reactions with radioactive beams
- Nuclear astrophysics
- Fundamental interactions
- Application of nuclear physics to other fields
- Production and manipulation of RIB
- Instrumentation



Scientific program

The program will consist of invited talks, contributed talks, and poster presentations. Two special sessions are planned, which will address future directions of European facilities in the international context and the interaction of theory and experiment.

The following invited speakers have already confirmed their participation:

- Michael Block (GSI/HIM, Germany)
- Yorick Blumenfeld (IPN Orsay, France)
- Konstanze Boretzky (GSI, Germany)
- Jens Dilling (TRIUMF)
- Sergey Eliseev (MPI-K Heidelberg, Germany)
- Tobias Engert (GSI, Germany)
- Hanna Franberg (GANIL, France)
- Jordi José (UPC Barcelona, Spain)
- Nasser Kalantar-Nayestanaki (KVI-CART/Univ. Groningen, The Netherlands)
- Elias Khan (IPN Orsay, France)
- Magda Kowalska (CERN, Switzerland)
- Etienne Liénard (LPC Caen, France)
- Marco Mazzocco (Univ. Padova, Italy)
- Iain Moore (JYFL, Finland)
- Antonio Moro (Universidad de Sevilla, Spain)
- Tohru Motobayashi (RIKEN, Japan)
- Alexandre Obertelli (CEA Saclay, France)
- Marek Pfutzner (Univ. Warsaw, Poland)
- Andrey Popeko (FLNR JINR, Russia)
- Gianfranco Prete (INFN Legnaro, Italy)
- Riccardo Raabe (KU Leuven, Belgium)
- Hervé Savajols (GANIL, France)
- Achim Schwenk (TU Darmstadt, Germany)
- Monika Stachura (CERN, Switzerland)
- Fredrik Wenander (CERN, Switzerland)
- Deyan Yordanov (IPN Orsay, France)

The poster session is tentatively scheduled on Tuesday, June 9, from 18:00 until 20:00. The three best posters will be given the opportunity of a 10-min oral presentation on Thursday afternoon. Poster boards will be provided (A0 portrait format).

Note: Rooms are available for collaboration meetings. Please contact the conference secretariat for bookings (Eurorib-2015@gsi.de).

Abstract submission

Participants are invited to submit abstracts on the topics of the conference using the INDICO web-interface. Oral and poster presentations will be selected on the basis of abstract submission. The web-site for submission will close on **February 25, 2015**. Authors will be notified about the acceptance of their contribution in March 2015. In order to preserve the informal character of the meeting and to stimulate presentation of innovative ideas, no proceedings will be published.

Please note that the first time that you use the INDICO system you must follow the instructions to create your own INDICO account.

Abstract submission page: <https://indico.gsi.de/conferenceCFA.py?confId=2719>

Venue and travel

The conference will be held at "Hessen Hotelpark Hohenroda" (<http://www.hotelpark-hohenroda.com>), which is located in the north-east of Hesse and can be reached by car or by train to Fulda (e.g. via Frankfurt airport or Frankfurt central station) – a shuttle service from Fulda train station to Hohenroda will be organized. Details will be provided on the conference web page in due time.

The scientific program will start Monday morning, June 8. It is recommended that participants arrive on **Sunday, June 7**. The meeting will close with lunch on Friday, June 12.

Registration and accommodation

		Before May 1, 2015	After April 30, 2015
Participant	Single room	650 EUR	700 EUR
	Double room	550 EUR	600 EUR
Accompanying person	Double room	500 EUR	500 EUR

The registration fee comprises:

- Accommodation and full board (Sunday evening dinner until Friday lunch)
- Welcome reception (Sunday) and Conference Dinner (Thursday)
- Coffee breaks
- Conference material
- Internet connection (free WLAN)
- Access to sports and leisure facilities of the hotel

The fee for accompanying persons includes:

- Accommodation and full board (Sunday evening dinner until Friday lunch)
- Welcome reception (Sunday) and Conference Dinner (Thursday)
- Coffee breaks
- Internet connection (free WLAN)
- Access to sports and leisure facilities of the hotel

To increase the interaction among the participants, we ask everyone to stay for the full five days at the conference (Sunday evening to Friday noon). The conference fee shall be paid in advance by bank transfer:

Recipient	GSI Darmstadt
Bank	Landesbank Hessen-Thüringen
IBAN	DE56 5005 0000 5001 8650 04
BIC	HELADEFF
Reference	"EURORIB15 + your name"

Note: A limited number of grants covering lodging in double rooms and board costs will be available for young scientists (PhD students and postdocs) presenting an oral or poster contribution. People wishing to apply are kindly asked to add a note in the "Comments" Field of the abstract submission web page. Applicants are asked to send an email to the conference secretariat (Eurorib-2015@gsi.de) where they state the reason for requiring support. In addition, a support statement from the supervisor shall be sent by email to Eurorib-2015@gsi.de.

Social events

A Welcome Reception is planned on Sunday, June 7, and the Conference Dinner on Thursday, June 11. An excursion is planned on Wednesday afternoon, June 10. Besides local activities (sports, hiking, etc.) two excursions are offered to the conference participants at additional cost:

- **Point Alpha (EUR 20)**

This authentic historical site presents the confrontation of the two world power blocs during the “Cold War” as well as the time of division within Germany.

For further information see: <http://pointalpha.com/en>

- **Erlebnisbergwerk Merkers (EUR 20)**

The Merkers salt mine drops about 800m below the surface. The visitor enters the mine through an elevator going down to sublevel two at 500m below ground. The guided tour brings you to the “Crystal Grotto” with its enormous salt crystals and the underground mining museum.

For further information see:

(in German): <http://www.erlebnisbergwerk.de>

or (in English) <http://www.showcaves.com/english/de/mines/Merkers.html>

The additional costs for both excursions cover the entrance fee, the guided tour, and bus transfer. Due to a limited number of participants in guided tours, the availability is subject to a “first-come-first-serve” basis. Participants shall pay the excursions in cash at the registration desk. Participants who intend to attend either of the offered excursions are asked to tick the appropriate box in the registration form.

Important dates

February 25, 2015 Deadline abstract submission

April 30, 2015 Deadline early registration fee

We are looking forward to seeing you in Hohenroda,

The Organizing Committee

Committees

<p>EURORIB Organizing Committee</p> <p>Maria Garcia Borge (CERN-ISOLDE) Giovanni La Rana (INFN Napoli) Marek Lewitowicz (GANIL) Christoph Scheidenberger (GSI) Piet Van Duppen (KU Leuven)</p> <p>Local Organizing Committee</p> <p>Luise Dörsching-Steitz (GSI) Christoph Düllmann (GSI/Univ. Mainz/HIM) Jürgen Gerl (GSI/FAIR) Alexander Herlert (FAIR) Thomas Neff (GSI) Norbert Pietralla (TU Darmstadt) Daniela Press (GSI) Siglind Raiss (GSI) Christoph Scheidenberger (GSI) Haik Simon (GSI)</p>	<p>International Advisory Committee</p> <p>Rosa Alba (INFN Catania) Faiçal Azaiez (IPN Orsay) José Benlliure (Univ. Santiago de Compostela) Klaus Blaum (MPI-K Heidelberg) Yorick Blumenfeld (IPN Orsay) Angela Bonaccorso (INFN Pisa) Angela Bracco (Univ. Milano) Peter Butler (Univ. Liverpool) Giacomo De Angelis (INFN Legnaro) Andrey Fomichev (JINR Dubna) Hans Geissel (GSI) Heloise Goutte (CEA DSM/IRFU/SPhN) Dominique Guillemaud-Mueller (IN2P3/CNRS) Muhsin Harakeh (KVI-CART and GANIL) Morten Hjort-Jensen (Univ. Oslo and MSU) Rauno Julin (JYFL) Reiner Krücken (TRIUMF) Karsten Riisager (Univ. Aarhus) Krzysztof Rusek (HIL Warsaw) Hideyuki Sakai (RIKEN) Hendrik Schatz (MSU) Nathal Severijns (KU Leuven) Kerstin Sonnabend (Univ. Frankfurt) Florent Staley (GANIL) Peter Thierolf (LMU Munich) Livius Trache (IFIN-HH) Dario Vretenar (Univ. Zagreb)</p>
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