



# **Second Workshop of the Nuclear Spectroscopy Instrumentation Network NUSPIN 2017**

## **Associated Events:**

**Annual Open Meeting of the AGATA Collaboration  
Meetings of the NUSPIN Working Groups and Scientific  
Committee**

**GSI Darmstadt, June 26th – 29th, 2017**

## **FIRST CIRCULAR**

We have the pleasure to announce that the Second Workshop of the Nuclear Spectroscopy Instrumentation Network of ENSAR2, NUSPIN 2017, will take place at GSI Darmstadt on June 26th – June 29th, 2017 and will host the AGATA Collaboration Meeting.

## **SCOPE AND TOPICS**

The Nuclear Spectroscopy Instrumentation Network (NuSpIn), in the framework of ENSAR2 (HORIZON2020), promotes the mutual coordination between the research groups involved in

high-resolution gamma-ray spectroscopy. The objective is to strengthen the nuclear structure community by the exchange and transfer of knowledge and the enhancement of synergies between the different collaborations active in the European Infrastructure Facilities.

The aim of the NUSPIN 2017 Workshop is to present the status of the instrumentation for nuclear structure research at the European facilities and to discuss the perspectives. Sessions will be dedicated to the presentation of recent nuclear structure experimental as well as theoretical studies, the latest results obtained at the gamma-ray facilities in Europe, the preparation status of the RIB facilities, and the discussion of the challenges of future research, the development of new instrumentation and technical developments with gamma-ray techniques and particle detectors.

The main topics to be discussed at the workshop are:

- spectroscopy with radioactive ion beams
- shell structure far from stability
- isospin degrees of freedom
- collective excitations
- nuclear moments
- nuclear astrophysics
- gamma-ray detectors technology
- complementary instrumentation

The workshop will start on the afternoon of Monday 26<sup>th</sup> June and will finish by 5:30pm on Thursday, June 29<sup>th</sup>.

### **Meetings of the NUSPIN Scientific Committee and Working Groups**

The afternoon of Wednesday 28<sup>th</sup> June will be devoted to the meetings of the NUSPIN Scientific Committee and of the Working Groups coordinating the instrumentation developments.

## **Annual Meeting of the AGATA Collaboration and AGATA Collaboration Council Meeting**

Thursday 29<sup>th</sup> June will be dedicated to the Annual Meeting of the AGATA Collaboration which includes presentation on the status of the campaigns, the perspectives, and the status of the analysis of the different experiments. The meeting will be followed by the meeting of the AGATA Collaboration Council meeting (closed session).

### **WORKSHOP VENUE**



The GSI/FAIR facility

The Workshop will take place at GSI Darmstadt:

<https://www.gsi.de/en/start/news.htm>

GSI Helmholtzzentrum für Schwerionenforschung GmbH is a Research Institute which operates a worldwide unique large-scale accelerator facility for heavy ions and currently employs about 1100 people. In addition approximately 1000 researchers from universities and other research institutes around the world use the facility for their experiments.

GSI is a limited liability company (Ger. GmbH). Associates are the German Federal Government (90 per cent), the State of Hessen (8 per cent), the State of Rhineland-Palatinate (1 per cent) and the Free State of Thuringia (1 per cent). They are represented in the board of directors by the Federal Ministry of Education and Research and the respective Ministries. GSI is a member of the Helmholtz Association, Germany's largest research organisation.

Currently the international accelerator center called FAIR (Facility for Antiproton and Ion Research) – one of the largest research projects in the world – is being built adjacent to GSI.

<https://www.gsi.de/en/researchaccelerators/fair.htm>

## **REGISTRATION**

Participants are invited to register using the registration form available in the website from **17<sup>th</sup> February to 16<sup>th</sup> June 2017**. Financial support may be available on request for young researchers wishing to attend the Workshop.

## **ABSTRACT SUBMISSION**

Review talks will be followed by shorter contributions selected from the submitted abstracts.

**The deadline for abstract submission is 29<sup>th</sup> April 2017.** Information regarding the abstract selection will be notified to the contributors by 15<sup>th</sup> May 2017.

## **SOCIAL EVENTS**

On Monday evening all the participants of the workshop are invited to the reception which will take place at GSI.



The city Church of Darmstadt

On Tuesday 27<sup>th</sup> June late afternoon will be devoted to social events including the organ concert “Orgelmatinée” in the city Church of Darmstadt

<http://www.darmstaedterkantorei.de/> and the workshop dinner at the Sitte restaurant [www.restaurant-sitte.de](http://www.restaurant-sitte.de) located in the walking distance from the Church. More details on the social events will be specified in the next circular.

## **IMPORTANT DATES**

- Registration: from 17<sup>th</sup> February to 16<sup>th</sup> June 2017
- Deadline for abstract submission: 29<sup>th</sup> April 2017
- Contributors notification: 15<sup>th</sup> May 2017

## **ACCOMMODATION**

A list of hotels in Darmstadt can be found on the web site of the

workshop:

<http://indico.gsi.de/event/nuspin2017>

## **CORRESPONDENCE**

Please address all correspondence by electronic mail to:  
[s.saha@gsi.de](mailto:s.saha@gsi.de) or [m.gorska@gsi.de](mailto:m.gorska@gsi.de)

## **WEB PAGE**

Updated information on the Workshop can be found on the web page: <http://indico.gsi.de/event/nuspin2017>

## **ORGANIZATION**

### **Organizing Committee**

Magdalena Górska (GSI, Darmstadt)(chair)  
Silvia Lenzi (University and INFN, Padova)  
Andrew Boston (University of Liverpool)  
Andres Gadea (IFIC-CSIC, Valencia)  
Araceli López-Martens (CSNSM, Orsay)  
Sudipta Saha (GSI/TU Darmstadt)  
P-A. Söderström (GSI/TU Darmstadt)  
Guangshun Li (GSI/IMP Lanzhou)  
Tugba Arici (GSI/University of Gießen)  
Johan Nyberg (Uppsala University)

### **Secretariat**

[l.doersching-steitz @ gsi.de](mailto:l.doersching-steitz@gsi.de)