

## Minutes from the GUEC meeting held on zoom Monday, 22.3.2021, 14:30 – 17:00

### Participants:

Silvia Leoni (chair), Emmanuel Clément, Maria Colonna, Andreas Görger, Antoine Lemasson, Adam Maj, Marika Schleberger (GUEC members);

Navin Alahari, Heloïse Goutte (GANIL management).

Absent: Marlene Assie

### Agenda of the meeting:

1. Information from GANIL Management (Heloïse Goutte, Navin Alahari)
2. Euro-LABS call (Maria Colonna, Navin Alahari)
3. Colloque Ganil GUEC session organization (Antoine Lemasson)
4. GANIL PhD Award call (Andreas Görger)
5. Status of the GUEC WEB page
6. Brief discussion about future GANIL campaigns
7. AOB, next meeting

### Minutes:

1. Heloïse Goutte informed the committee about the status and plans for the GANIL cyclotrons and LINAC for 2021:

Four months of cyclotrons beams (from March 1<sup>st</sup> to July 2<sup>nd</sup>) and five months of LINAC beams (from end of June to December) are planned. This is the first step towards a parallel functioning of the cyclotrons and LINAC accelerators, with the goal of reaching 8+8 months of parallel running in 2026. This year will be a short pilot run.

- Due to the COVID-19 pandemic, a web page, regularly updated, has been prepared to give recommendations to GANIL Users about the current sanitary conditions, as well as instructions which should be followed for travelling and staying at GANIL ([link](#)).
- Remote control of experiments is being prepared, to facilitate experimentalists to follow data taking remotely. Collaborations are encouraged to do their best to send people onsite, taken into account the safety precautions related to the present pandemic.
- For the 2021 cyclotron experimental campaign, a rescheduling has been done in order to accommodate a delay of 1.5 days, caused by a leak in the “policeman hat”. First experiments have been successfully performed on the LISE beamline (applied physics) and with AGATA+MUGAST+VAMOS.
- The SPIRAL2-LINAC Project is expected to reach its final milestone of delivering a 47  $\mu$ A deuteron beam around autumn 2021, and hence reach the full performance of the NFS facility.
- A new A/Q=7 injector has been financed via the PIA EQUIPEX+ call. The project is called NEWGAIN and will extend the possibilities of the LINAC to heavier ion

beams and higher intensities, offering new perspectives for the study of superheavy nuclei and systems around  $N=Z$ .

A TAC meeting was held in February and a report is expected.

- From the GANIL theory group, a book on the Gamow shell model has been written and is in print (N. Michael and M. Ploszajczak, Springer). It addresses a wide public and contains recent developments for the description of open quantum systems.
- The Scientific Council (SAC) was held 2-3<sup>rd</sup> February. The meeting went smoothly with reports about major instruments.
- Starting from this year, two GANIL Program Advisory Committee (PAC) meetings will be held per year.  
The next PAC will take place 1-2<sup>nd</sup> July 2021, remotely. The call is open for the GANIL cyclotrons and the SPIRAL2/NFS facility and for proposals ready to run in 2022 (deadline for submission: April 26<sup>th</sup> 2021, 14 00 CET).  
The second PAC meeting of 2021 will be very likely 9-10<sup>th</sup> December and the deadline for proposal submission will be around end of September.

The GANIL cyclotrons will be available for from February/March 2022.

The NFS facility will be available starting from around June 2022.

The PARIS array will be available in the first half of 2022.

2. Navin Alahari and Maria Colonna informed about the status of EURO-LABS proposal. More than 100 contributions were received and collected in a book of abstracts which is available online, at the Euro-LABS web page (<https://agenda.infn.it/event/25373/>). A Town Meeting (of two days) will be organized around the first half of April, after having clarified details of the EU call, which is devoted to Research Infrastructures. The GANIL Users are encouraged to look into the book of abstracts in order to identify similar contributions which could be merged in common projects in the final proposal.
3. The 2021 Colloque GANIL will be held in in the Vercors Mountains, in Autrans Meaudre en Vercors in the French Alps. A two-hour session will be reserved to GUEC, with ample time for discussion and questions from Users to be addressed to the GANIL Management. To stimulate an organized discussion, the User community is encouraged to identify discussion topics and to formulate questions ahead of time (a couple of months before the meeting). Possible discussion topics during the GUEC session include for example the organization of future campaigns, including new upcoming opportunities with  $S^3$  and NFS, synergies between theory and experiments and interdisciplinary aspects.  
In this context, Antoine Lemasson and Marlene Assie are asked to contact reference persons of various instrument collaborations to have a preliminary view of their plans in the coming years. This will be very helpful for the organization of experimental campaigns for 2023, to be proposed to the 2022 PAC meetings.  
Maria Colonna will look into theory Users of GANIL to see how to further strengthen the synergy between theory and experiment in connection with the physics of GANIL.

4. The call for the GANIL PhD Award (for theses written in English and completed in 2019 and 2020) has been prepared by Andreas Görgen and is being sent out via the GANIL portal to the User Community. Deadline for applications is June 15<sup>th</sup> 2021. The winner will give an invited talk at the 2021 Colloque GANIL.  
Instructions for the call are also given at the GUEC page.
5. A person is requested for the maintenance of the GUEC website and the GUEC mailing list. It is agreed that any requests for modification should be sent to Pupin Stephanie and Emmanuel Clement. Emmanuel Clement will discuss with the DSTA about getting a person in charge
6. It is agreed that a discussion about future GANIL campaign should be stimulated within the User community in the coming months in order to be prepared for the 2022 PAC calls for proposals. As mentioned under point 3, this issue will be also discussed within the GUEC session of 2021 Colloque GANIL.
7. The next GUEC meeting will be held middle of June 2021, before the PAC meeting.  
Silvia Leoni closed by thanking all participants for a constructive meeting.