

## **AGATA Collaboration Council Meeting, 7th July 2015, IPN-Orsay, Paris**

In attendance (members): Johan Nyberg (Uppsala, chairperson), John Simpson (Daresbury, secretary), P. Bednarczyk (IFJ PAN Krakow), Helen Boston (Liverpool), Benedikt Birkenbach (Köln), Bo Cederwall (Stockholm), Emmanuel Clement (GANIL, AGATA@GANIL Local Project Manager), Andres Gadea (IFIC Valencia, AMB chair), Jürgen Gerl (GSI), Silvia Lenzi (INFN Padova, AGATA@GANIL Campaign Spokesperson), Joa Ljungvall (CSNSM Orsay), Daniel Napoli (INFN LNL), Oliver Stezowski (Lyon), Francois Didierjean (IPHC Strasbourg), Magdalena Zielinska (CES/DSM/IRFU Saclay).

Also present: Paul Nolan (Liverpool, ASC), Giacomo de Angelis (INFN LNL, ASC chair), Geirr Sletten (Copenhagen), Christophe Theisen (CES/DSM/IRFU Saclay), F. Didierjean (Strasbourg)

Apologies: Benedicte Million (INFN Milano), Adriana Nannini (INFN Firenze), Peter Reiter (Köln), Phil Walker (Surrey), Rauno Julin (Jyväskylä), Wolfram Korten (CES/DSM/IRFU Saclay), Krzysztof Rusek (HIL Warsaw).

### **Election of secretary for this meeting**

J. Simpson was elected to be the secretary for the meeting.

### **Minutes of previous meeting 26<sup>th</sup> June 2014 in GSI**

The minutes from the last meeting were agreed. Minutes of this and all previous meeting are here:

[http://npg.dl.ac.uk/agata\\_acc/ACC\\_Minutes.html](http://npg.dl.ac.uk/agata_acc/ACC_Minutes.html)

The talk by JN which presents the agenda is here:

[http://npg.dl.ac.uk/agata\\_acc/meetings/acc\\_meeting\\_2015\\_jn.pdf](http://npg.dl.ac.uk/agata_acc/meetings/acc_meeting_2015_jn.pdf)

### **Outstanding Actions from the June 2014 ACC Meeting**

**Ongoing action on ALL:** Keep the information on the ACC web page up to date. Supply information on such things as technical publications, student PhD thesis and AGATA presentations to JS.

**Ongoing action on ALL:** Content in the form of overview presentations has been made available on the web pages, please add your talks where appropriate. The aim is to provide generic talks for those who need slides for AGATA presentations.

**ACTION ACC chairperson:** Data ownership for LNL extended to end of 2015. GSI to do. **Done.** For update see agenda item below.

**ACTION ACC chairperson:** GSI core author list being defined, co-ordinated by ACC through ASC members. **Done.**

**ACTION ACC chairperson:** Feedback views of the ACC to the ASC at its next meeting. **Done.**

**ACTION all:** Send any additional comments to JN and JS. **Done.**

### **Membership of the ACC**

List of current ACC members: [http://npg.dl.ac.uk/agata\\_acc/membership.html](http://npg.dl.ac.uk/agata_acc/membership.html). Any changes to be reported to the ACC chair.

### **Report from ASC**

Giacomo de Angelis summarised news from the ASC. Last meeting discussed finances, extension of MoU to 2020 (including operation costs) for up to 20 capsules. DEGAS not part of AGATA, agreements to be done between owners and AGATA on an individual basis. Recent news of

approved funding in Germany is excellent news. Plan to have a meeting of funding agencies so that they are aware of the need of support in each country. The meeting has not yet been fixed.

## Report from AMB

Andres Gadea summarised the status yesterday, his talk is available via:

[http://npg.dl.ac.uk/agata\\_acc/talks/Gadea\\_AGATA-Status-ACC-Paris15.ppt](http://npg.dl.ac.uk/agata_acc/talks/Gadea_AGATA-Status-ACC-Paris15.ppt)

## AGATA Campaigns

Summary of performed and ongoing campaigns:

- LNL 2010-2011: 20 PAC approved experiments performed
- GSI 2012, 2014: 8 PAC approved experiments performed
- GANIL 2015-2018: 10+9 PAC approved experiments, 5 performed until 2015-07-05

The ASC decided at its meeting in October 2014 to extend the GANIL campaign to the end of 2018 and that AGATA will move to LNL in 2019.

The planned sub-campaigns at GANIL were discussed. A very rough planning is the following:

- 2015: VAMOS (vacuum mode), many runs with plungers,
- 2016-2017: VAMOS (vacuum mode), FATIMA, PARIS,
- 2017-2018: NEDA/NWall/DIAMANT, VAMOS (gas-filled mode), SPIRAL1+ beams.

E. Clément explained the amount of beam time that can be scheduled taking into accounts down-time, accelerator maintenance, SPIRAL2 work, etc. The cyclotrons at GANIL are presently running 5 months per year (5 consecutive months). Most of the rest of the time is used for SPIRAL2 developments. A large amount of the beam time is used by AGATA. It takes a minimum of 5 days to switch between experiments within the same sub-campaign, much longer if the experimental setup must be changed a lot. It is very difficult to run experiments back-to-back. With these conditions it is possible to run only 5-7 AGATA experiments per year.

E. Clément reported that the detailed planning of the scheduling at GANIL changes in detail quite often. In 2016, there is a possibility of running earlier than September, which was the plan some months ago. Spokespersons of approved AGATA experiments are being contacted.

Various ways of supporting the local AGATA team at GANIL were discussed e.g. having some dedicated AGATA postdocs located at GANIL. Possible funding for such postdocs was discussed.

E. Clément said that all groups who have obtained beam time with AGATA@GANIL should send one or several persons (PhD students, postdocs, etc.) to GANIL several months before the experiment. These persons can learn how to use the system and also help the local group with calibrations, etc. A good example of such a case is Rosa Perez from Valencia who stayed at GANIL for about 3 months. She has now learned enough to be responsible for the source calibrations of AGATA before and after experiments.

**Action ACC chairperson, SL, EC:** Contact the spokespersons of all coming AGATA experiments and urge them to send one or several persons to GANIL for a period of several months well before the start of the experiment. **Done?**

A. Gadea suggested to ask the GANIL management if it is possible to get more beam time than 5 months/year at least during some of the years when AGATA is located at GANIL.

**Action SL, EC:** discuss with the GANIL management if it is possible to extend the amount of beam time per year. **Done?**

The next GANIL PAC is in spring 2016. S. Lenzi reported that she has proposed to the GANIL management that AGATA proposals for this PAC should just be for experiments with the NEDA/NWall/DIAMANT setup. B. Cederwall stated that PAC's should always be open to new ideas/physics. SL said that there will be an AGATA pre-PAC workshop in early 2016 at which the planned AGATA + NEDA/NWALL/DIAMANT proposals will be discussed.

Bo Cederwall proposes to ensure that approved proposals are "up to date" due to delays in scheduling. GANIL already has such a procedure: proposals which are more than 3 years old must be defended again in front of the PAC to ensure that the physics case is up-to-date.

The amount of AGATA proposals approved during the first two PACs (10 in 2014, 9 in 2015) will, with the present conditions at GANIL, use most or all of the beam time until the end of 2017. The ACC members present at the meeting expressed their deep concern that there will not be enough beam time available to run all the planned AGATA sub-campaigns by the end of 2018. This concerns in particular the sub-campaigns with NEDA/NWALL/DIAMANT, VAMOS gas-filled mode and with SPIRAL1+ beams. All means to make it possible to run these sub-campaigns should be considered, e.g. by extending the amount of beam time per year, shortening the down-time between experiments and possibly by extending the campaign beyond 2018. An extension beyond 2018 must of course be compatible with the developments and progress of SPES at LNL.

**Action: ACC chairperson** to feedback this discussion to the ASC. **Partly done.**

## Data policy

A reminder of the AGATA data policy was made. The ACC chair circulates the data policy to the spokesperson of each experiment. This outlines the expectation of the AGATA community for those using AGATA resources. The AGATA data policy can be found here:

[http://npg.dl.ac.uk/agata\\_acc/AGATA\\_Data%20Policy.html](http://npg.dl.ac.uk/agata_acc/AGATA_Data%20Policy.html)

Dates for end of control of data (ECD) was discussed at the last ASC meeting:

- LNL 2010-2011 campaign: 2015-12-31
- GSI 2012-2014 campaign: extend by one year to 2016-12-31 for experiments run in 2012, and to 2017-12-31 for experiments run in 2014.
- GANIL 2015-2018 campaign: not discussed at the ASC meeting

The ECD date for the LNL campaign is approaching. D. Napoli suggested that each of the contact persons (the contact person can but does not have to be the spokesperson) of the AGATA@LNL experiments should be asked to write a report regarding the status of the analysis of the experiments. The report should briefly explain the status of the analysis of the data, e.g. results have already been published, data analysis still ongoing, experiment failed, etc. O. Stezowski suggested that the report should give some information regarding the availability of calibrated data, log books, and the name of a person who can be contacted to get detailed information about the analysis.

**Action ACC chairperson:** to send a letter to the AGATA@LNL contact persons and ask them to send the report to the ACC chair latest 2016-01-31. **Done.**

The date of the ECD for the GANIL experiments performed in 2015 was discussed. It was decided to have an initial ECD date of 2017-12-31. This date can of course be extended later, depending on the progress of the analysis of the data from the experiments.

**Action ACC chairperson:** to send a letter to GANIL spokespersons asking for the name of a contact person for the experiment and to tell them that the initial ECD date for their experiment is 2017-12-31. **Done.**

## **Publication procedure**

### ***AGATA technical publications***

AGATA technical publications go through the AMB for light touch approval. To date there are 82 technical publications.

### ***AGATA physics publications***

For physics publications, an AGATA Core Author (ACA) policy is used. To manage this, there is a web based system, created and maintained by J. Nyberg:

[https://www.agata.org/physics\\_publications/](https://www.agata.org/physics_publications/).

Submit paper to J. Nyberg (copy J. Simpson). A deadline is set for core authors to reply (typically within 2 weeks). A list of core authors to be added is available after the deadline.

LNL 2010-2011 and GSI 2012-2014 core author lists are defined and a list for GANIL is being prepared. The lists are co-ordinated through the ASC members.

The ACA policy was changed slightly in May 2015 by the ASC: the ACA procedure must be used only for the first physics publication from each experiment.

To date, 19 physics publications have been published, see list at:

[http://npg.dl.ac.uk/agata\\_acc/AGATA\\_Publications.html](http://npg.dl.ac.uk/agata_acc/AGATA_Publications.html). Summary of the publications:

- Published (2011-2015): 9+10 (1 PRL, 1 PLB, 7 PRC, 9 APPB, 1 JPCS)
- Submitted: 3 (2 PRL, 1 PRC)
- Five published in PRL + PLB + PRC by the Milano group!

## **AGATA ACC Website**

All reminded to send information (news, publications, talks, theses etc. etc.) to J. Simpson and J. Nyberg.

The official AGATA website is being moved from GSI to <http://www.agata.org/>. Managed by J. Nyberg and the AMB.

## **AOB**

There were no AOB.

## **Next meeting**

At the beginning of the ACC meeting S. Lenzi informed the council about the excellent news that the ENSAR2 application has been fully funded. This includes also funds for the NUSPIN network (similar to the previous EGAN network). The plan is to have a NUSPIN workshop in the summer 2016. It was decided to have the next AGATA Collaboration Annual Meeting and the ACC meeting in connection with this NUSPIN workshop. It may then be possible to give some financial support to young students and researchers to attend the AGATA Collaboration Annual Meeting to present results of their ongoing analysis.