

**AGATA Collaboration Council**  
Legnaro, 11<sup>th</sup> November 2021

**In attendance (in site):**

Silvia Leoni (Milano, Chairperson), F. Didierjan (Stasbourg), A. Gadea (Valencia), S. Lenzi (Padova), J. Ljungvall (Orsay), A. Nannini (Florence), D. Napoli (Legnaro), B. Quintana (Salamanca), P. Reiter (Cologne), M. Zielinska (sub. W. Korten, CEA, Saclay), K. Wimmer (sub. J. Gerl, GSI Darmstadt)

**In attendance (remote):**

J. Simpson (Daresbury), A. Maj (Krakow), A. Bruce (Brighton, UK), B. Cederwall (KTH, Stockholm), D. Rudolph (Lund), H. Boston (Liverpool, UK), J. Pakarinen (Jyväskylä), J. Vesic (Ljubljana), J. Nyberg (Uppsala), J. Timar (Atomki), K. Rusek (Warsaw), M.D. Monasterio (Stockholm), M. Yavahchova (INRNE, Bulgaria), N. Pietralla (TU, Darmstadt), V. Gonzales (Valencia), W. Korten (CEA, Saclay), Z. Podolyak (Surrey)

**Apologies for absence**

E. Clement (GANIL), N. Marginean (IFIN-HH), B. Million (Milano), O. Stezowski (Lyon)

SL chaired the meeting and presented a set of slides that can be found here:

[ACC-CLOSED-LEONI-final-WEB.pdf](#)

The minutes were written by SL.

**ACC Membership**

The newly elected ACC chair, SL, started the mandate in Spring 2021. SL warmly thanked the previous Chair (WK) for the commitment and intense work during his mandate, and the AGATA collaboration for being elected.

SL showed an update of the present ACC membership, comprising 13 countries and more than 40 institutions, including Slovenia and Romania as observers.

**Current AGATA Collaboration and ACC Meetings**

The present ACC meeting was held at Legnaro National Laboratory, during the AGATA Collaboration meeting (10-12<sup>th</sup> November, <https://agenda.infn.it/event/27358/>).

The AGATA Collaboration meeting followed the first Pre-PAC Workshop of AGATA at LNL (8-10<sup>th</sup> November, <https://agenda.infn.it/event/26966/>), organized by J. Valiente-Dobon (AGATA Local Project Manager) and M. Zielinska (LNL Campaign Spokesperson). During the Pre-PAC Workshop, 34 Lol's were presented for stable beams experiments, mainly with AGATA@PRISMA, starting from Spring 2022.

More than 100 participants registered to both the Pre-PAC Workshop and the following AGATA Collaboration meeting. Both meetings were conducted in mixed format, with more than half of the participants present in situ, from various countries.

During the AGATA Collaboration meeting, 16 reports were given on the status of the data analysis of AGATA@GANIL experiments, not published yet. One report was about an AGATA@GSI experiment.

The last AGATA Collaboration and ACC meetings were held in Orsay in 2019, in connection with the NUSPIN Workshop. The collaboration should decide a place for the next AGATA collaboration meeting, in 2022. An option could be to organize the meeting again in connection with a Pre-PAC Workshop at LNL if no other Workshop on Nuclear Structure is scheduled at a convenient time.

### **Report from ASC**

Presentation received from John Simpson. Slides can be found here:

[ACC-meeting-LNL-Nov21-ASC-update-combined.pdf](#)

The file is a combined presentation from the collaboration meeting and the closed session.

Key points:

- Most recent meeting: 25 October 2021, on zoom
- Update on the AGATA Steering Committee Members
- NuPECC Long Range Plan, published in 2017, gave strong highlight recommendation for AGATA  $4\pi$  configuration
- The AGATA Science White Book was published in May 2020 (W. Korten et al., EPJA56(2020)137). Many people contributed to prepare the document which highlights the physics opportunities with AGATA in five different laboratories in Europe (CERN/ISOLDE, GANIL, GSI/FAIR, JYFL, LNL/SPES)
- The GANIL campaign is officially concluded (2015-2021) with many experiments performed with both stable and radioactive SPIRAL1 beams
- The AGATA web page (<https://www.agata.org/>) has been substantially upgraded by J. Nyberg and J. Simpson
- After an independent international review of the AGATA project, a new MoU of AGATA was agreed and sent for signatures on 30/6/2021  
The ultimate aim of the collaboration is to build the full  $4\pi$  device. The costings and plans defined in the Annexes of the MoU are based on the completion of the  $3\pi$  device in 10 years, with a review every 5 years. An AGATA Resource Review Board will be set up to provide financial oversight and contact with the funding agencies.
- The AGATA core author list is being updated in view of the LNL campaign
- The present Vice Chair is Angela Bracco. She will be Chair of AGATA from 4/2022-
- AGATA has signed the Diversity Charter of APPEC, ECFA and NuPECC. Data is being collected.
- A project built around AGATA activities for to the EU Funding Call INFRATECH, is to be prepared. Deadline for submission 20/4/22.

### **Questions & comments on ASC report**

The collaboration congratulates in particular with JS (ASC Chair), Andres Gadea (AGATA Project Manager, til Autumn 2021) and Benedicte Million (AGATA Resource Manager) for the excellent work done to bring to completion the new MoU.

### **Report from AMB**

Presentation received from Andres Gadea (former Project Manager, on behalf of E. Clement). Slides can be found here:

[3\\_CLEMENT-AGATA-2021-ACC-10thNov.pdf](#)

Key points:

- E. Clement new Project Manager since Autumn 2021 (after A. Gadea, Project Manager for 11 years)
- After 7 years of campaigns, on the 6<sup>th</sup> of September, AGATA left GANIL (29 experiments performed)
- AGATA organigram update
- AGATA became Research Infrastructure in France
- Detector status: total number of delivered AGATA capsules is 54
- Detector Infrastructures:  $2\pi$  honeycomb and shaft assembled, aligned and delivered to LNL from Daresbury. Major milestone for AGATA phase 2.
- Electronics status: at LNL, no phase 0 electronics, 28 channels of phase 1, no phase 2 electronics in 2022
- AGATA to have 40 electronics channels until phase 2 is available.
- DAQ status: intense work ongoing at LNL
- PSA tracking and scanning status: three scanning tables available (Liverpool, Strasbourg, Salamanca)
- Simulation working group: intense work to prepare LNL campaign. F. Crespi appointed as new leader for the Commissioning WG
- Dissemination: JN appointed as responsible for dissemination (AGATA web page, publication tracking, ...)

### **Questions & comments on AMB report**

The collaboration warmly thanks A. Gadea for the dedication and excellent work done as AGATA Project Manager in the last 11 years, bringing AGATA from the Demonstrator phase to AGATA  $1\pi$ . Best wishes to E. Clement as new AGATA Project Manager.

### **AGATA data policy**

The ACC chair reminded about the data policy of AGATA, which foresees a 5-year control period by the spokesperson of the experiment. After this period, the data are available within the collaboration, unless prolongation of data control is requested by the spokesperson of the experiment.

The AGATA data policy can be found here:

[https://www.agata.org/sites/default/files/AGATA\\_data\\_policy\\_2021-04-12.pdf](https://www.agata.org/sites/default/files/AGATA_data_policy_2021-04-12.pdf)

Following the presentation by O. Stezowski during the open session of the AGATA Collaboration Meeting ([link here](#)), the AGATA collaboration has to define a DATA Management Plan to make AGATA data open access (it will be requested at various levels: European call, funding agencies, etc...). A dedicated Data Processing Group has been setup and lead by O. Stezowski, to work on this task. Detailed documentation is being prepared (2 draft document will be soon distributed).

In the coming year, the ACC and AMB will have to take few decisions about basic information to be made available as meta data set (including, e.g., calibration, optimised algorithm parameters, ...), together with the AGATA data.

**Questions & comments on AGATA data policy**

The AGATA data policy should be in line with the host laboratory data policy and with policy requested by various funding agencies.

**Publications**

The ACC chair reminded about the AGATA publication policy for scientific papers, technical papers, conference proceedings and review papers. The policy can be found here:

[https://www.agata.org/physics\\_publication\\_submission](https://www.agata.org/physics_publication_submission)

In view of the upcoming AGATA campaign at LNL, the core list of AGATA is being updated and should be ready by the end of 2021.

**Questions & comments on AGATA publication policy**

PR raised the point of including funding agencies in the acknowledgements.

**AGATA website**

The AGATA web page (<https://www.agata.org/>) has been substantially upgraded by J. Nyberg and J. Simpson. Special thanks to both.

The web page contains the full updated list of science and technical papers, theses, selected talks, ... information on data and publication policy, organigrams of various committees over the years, history of meetings, ...

Spokespersons of AGATA experiments are requested to notify the ACC chair about publications and theses related to AGATA, to keep updated the web page.

**Questions & comments on AGATA publication policy**

AM suggested to highlight countries and funding agencies, contributing to AGATA, more clearly. Flags will be added to the AGATA web page.

**AOB**

SL and JS illustrated the importance of the Diversity Charter which has been signed by AGATA in 2020, within the JENAA-Joint ECFA-NuPECC-APPEC Activities

(an overview can be found here: [Diversity Charter of APPEC ECFA NuPECC-9.pdf](#))

Diversity is seen as a motor to boost productivity and innovation, fight prejudice and discrimination and contribute to the improvement of social and economical standards.

AGATA started to collate information on its committees ASC, AMB, ACC and collaboration meetings.