

AGATA STEERING COMMITTEE news

**From Angela Bracco
(Unimi and INFN Milano)**

LNL, 10 June 2022

AGATA STEERING COMMITTEE MEETING Draft Minutes v0.1

VC Zoom <https://ukri.zoom.us/j/91059343620>

31st March 2022 09:30 – 17:00 CET

Participants: G. de Angelis (GdA), P. Bednarczyk (PB), M.A. Bentley (MAB),

A. Bracco (AB) incoming Chairperson B. Cederwall (BC), G. Duchêne (GD) Secretary, J. Gerl (JG),

B. P. Greenlees (PG), P. Reiter (PR),

D Sohler (DS), J. Simpson (JS) Chairperson, **Ch. Theisen (CT)**

Jelena Vesić (JV) Observer, Jozef Stefan Institute, Ljubljana, Slovenia)

Wolfram Korten (WK) NuSTAR/FAIR representative

E. Clément (EC) Project Manager,

A. Gadea (AG) Project Manager, (also replacing B. Quintana)

S. Leoni (SL) ACC Chairperson,

B. Million (BM) AMB Resource Manager

R. Nania (RN) ARRB Chairperson

AGATA Phase 2 and the new MoU

MoU Amendment Phase 1

The amendment to extend the present MoU to the end of 2021 was signed by most Parties (CEA, IN2P3, INFN, Spain (CSIC, Valencia, Salamanca), Sweden (KTH), Germany (GSI), UK, Poland and Hungary (Atomki)) and has now since elapsed.

MoU Phase 2

The MoU has been signed by Bulgaria (INRNE-BAS), France (CEA, IN2P3), Finland (Jyvaskyla), Germany (GSI), Hungary (Atomki), Italy (INFN), Poland (Krakow, COPIN), Spain (CSIC, Valencia, Salamanca), Sweden, Turkey (Ankara) and the UK.

BMBF will also sign for Germany.

Germany has two Parties to sign, so far GSI/FAIR have signed and the signature from BMBF is expected soon.

ANNEX E, which specifies the common account procedure for operation costs, has been signed by France (CEA, IN2P3), Hungary (Atomki), INFN, Spain (CSIC, Salamanca, Valencia) and UK.

The version with all signatures apart from Germany should be used.

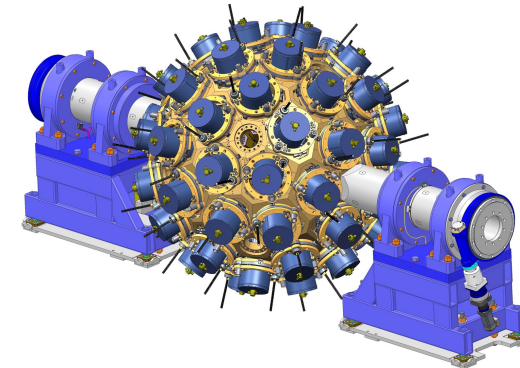
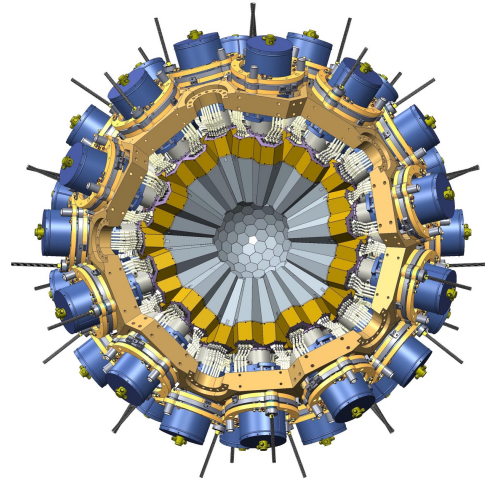
New MoU signed and in operation

Evolution of AGATA to 4π Today

2021--
LNL, Italy
Stable beams
SPES radioactive beams



AGATA at LNL
The first campaign in the
new MoU
60 > detectors



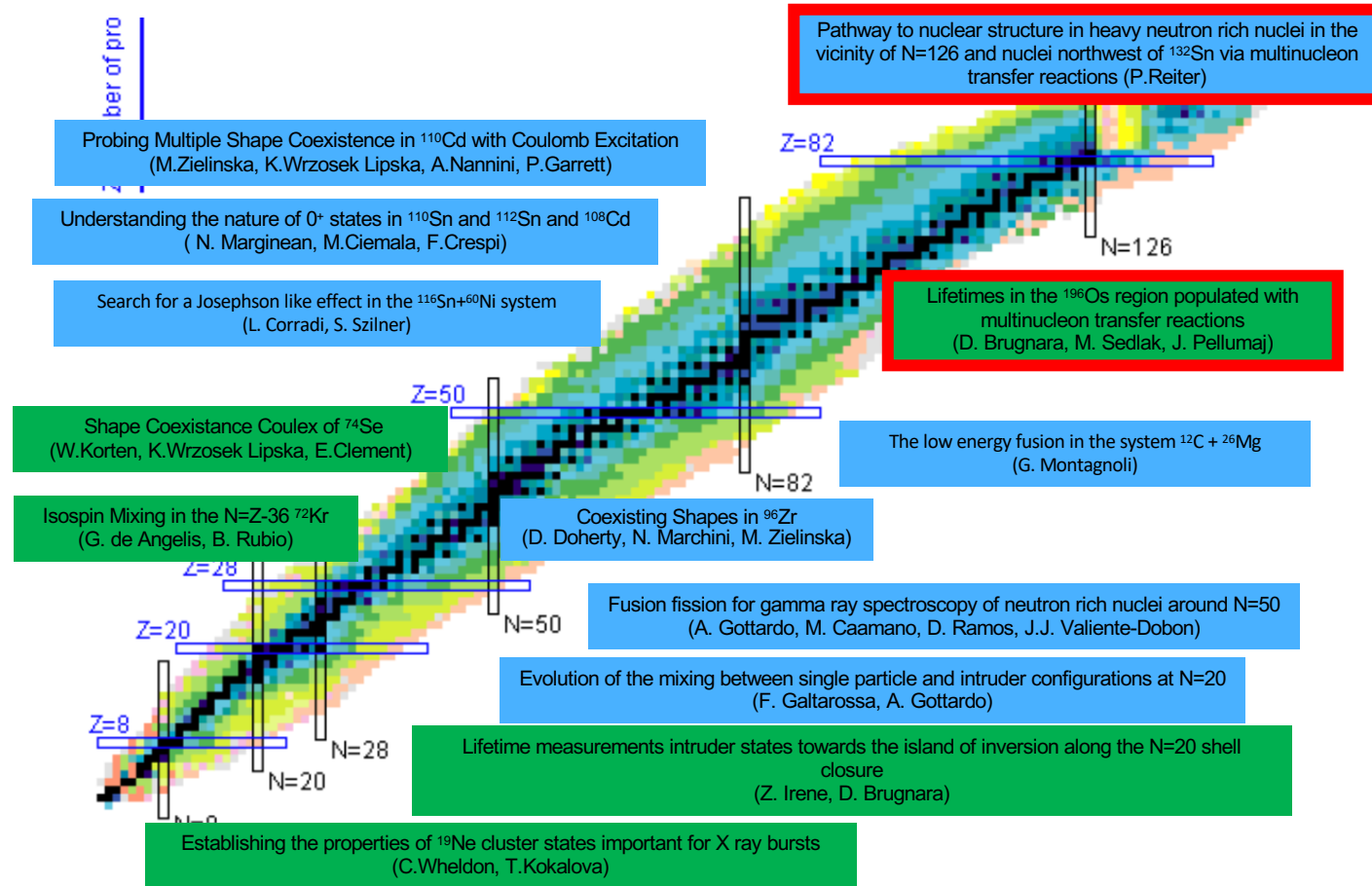
4π

3π in 10 years

Signed by 11 countries (14 Parties)

AGATA physics campaign

J.J. Valiente Dobon



Action: AGATA data policy

Embargo a 5 year period, which can be extended on request.

A group working on this subject is in place : ASC representatives from the host laboratories, the ASC chair and O. Stezowski.

Most AGATA papers are open access.

Diversity Charter (<http://nupecc.org/jenaa/?display=diversity>)

An online survey was produced. This has been sent to all AGATA's main committees, AGATA-All and those on the GANIL core author list. Please do it if you haven't so far. It takes two minutes. <https://www.surveio.com/survey/d/X2C1N9U6B4T6X0H1M> (password 2019JENAS). This survey is anonymous and requests basic information (status, gender, tenure, age (grouped), citizenship and employment location).

AGATA Resource Review Board



The AGATA Resource Review Board (ARRB) comprises one representative at least of each Parties that are contributing to the AGATA project.

The ARRB will elect a chairperson who is invited to attend the ASC.

The annual meetings of the ARRB are the means to inform the Parties about the overall financial status and progress of AGATA.

The role of the ARRB includes:

1. receive reports from the ASC
2. monitor the general financial and human resources in the AGATA project and its operation
3. monitor contributions from Parties with respect to their required contribution
4. evaluate the effect of new members joining or members withdrawing on the resource planning
5. advise on the prosecution and continuation of the Memorandum of Understanding
6. endorse the annual construction, maintenance and operation budgets of the AGATA project and its exploitation
7. make all efforts to put in force an AGATA common account for construction investment, enabling funds to be co-ordinated, for mass purchases at reduced prices and efficient procurement
8. provide oversight on the contingency policies in each partner

The ASC informs the ARRB about funding plans and needs for further funding.

Any modification in the construction and human resources commitment specified in this MoU has to be reported to the ARRB who validates the modification via the minutes of the meeting.

ARRB Report

RN introduces himself and his responsibility in nuclear and particle physics in INFN.

The new AGATA Resource Review Board (ARRB) as defined in the MoU has been set-up. Members so far from UK, IN2P3, CEA, Italy, Finland, Poland, Hungary, Spain and Sweden are appointed. A start up meeting (remote) took place on 2nd March 2022.

In attendance: Maria Yavahchova (INRNE, Bulgaria), Ari Jokinen (Jyvaskyla, Finland), Marcella Grasso (CNRS, IN2P3, France), Franck Sabatié (CEA, IRFU, France), Zsolt Dombrádi (Atomki, Hungary), Rosario Nania (INFN, Italy), Adam Maj (COPIN, IFJ PAN Krakow), Pilar Hernandez (Spain), Bo Cederwall (KTH, Sweden), Karen Clifford (STFC, UK)

AGATA Representation: Angela Bracco (ASC Chairperson from 4/22), Emmanuel Clement (Project Manager), Andres Gadea (previous Project Manager), Benedicte Million (Resource Manager), John Simpson (ASC Chairperson).

Paperwork provided to the board included the names of board members, terms of reference as defined in the MoU, the MoU with signatures, the international review.

It was agreed to hold the next meeting in late October early November. However, if the collaboration has information and key updates a meeting can be arranged in May this year.

It was agreed that the Chairperson should rotate every 2 years.

11. EU Call (EUROTECH)

The ASC thanked PG for taking the lead on this application.

PG summarised the status.

Expected outcome: innovative companies and increase the technological level of industries.

Scope: perform new R&Ds, RI's, staff

Chosen title **IMATRA : IMAGING and TRACKING of radiation for science and society**

The project scope and management structures were presented.

Ge development (new contact developments), alternative technologies (scintillators R&D; meta-scintillators), performance enhancement (digital ASIC cold preamplifier, gamma-ray imaging, pulse processing, detector intelligence, AI from detector level to global system,..), training and knowledge transfer (training to industries, research get training from industry, technology transfer, skills enhancement via hands-on schools,..).

14 institutions are involved and some companies. Close co-development with MIRION, with CTT. IBA is a possibly commercial beneficiary (involve one post-doc). IAEA is as partner.

Budget distribution not yet fixed. The total will be close to 10 M€.

The deadline is April 20!

The AGATA web page ([AGATA Home Page | AGATA](#)) is continually being updated and contains a lot of information. Thanks again to Johan Nyberg. Slide show is now there

The next ASC meeting was fixed following a doodle to be 12-13 October 12-13 in Milano. RN will fix the date of the next ARRB meeting with AB following the ASC.

New Timeline for FAIR

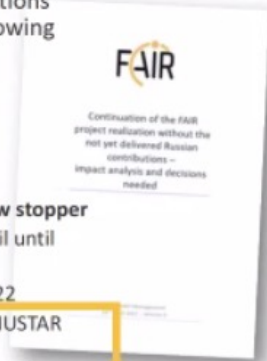
NUSTAR Overall schedule: From Phase-0 to FAIR MSV



FAIR Essential decisions required - Situation with Russia



- Invasion of Ukraine by Russia and subsequent international sanctions result into a suspension of cooperation with Russia with the following consequences:
 - Uncertainty on remaining Russian budget and cash payment
 - Stop of ACC & EXP components delivery from Russia
 - Loss of approx. 400 participants to the different collaborations

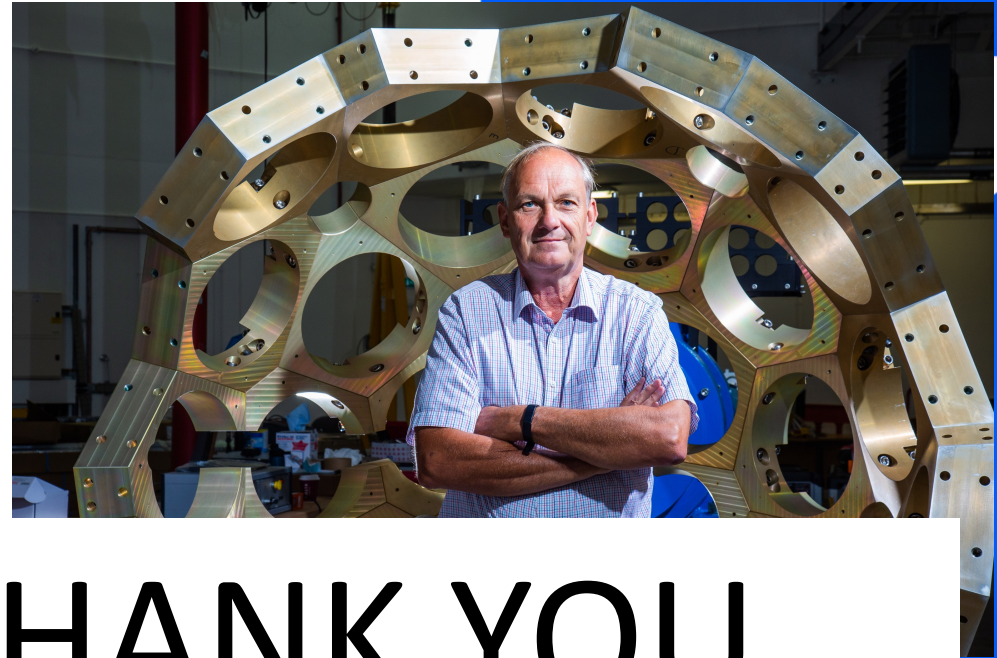


- FAIR Assessment (preliminary)
 - All Russian components can be re-procured in the market – **No show stopper**
 - Necessary budget for re-procurement to be released by FAIR Council until end 2022
 - Re-procurement of time critical components to be started in Q2 2022
 - Minimum 1 year postponement of start of first science with S-FRS NUSTAR (Q4 2026 instead of Q4 2025)
 - Minimum 2 years postponement of SIS100 start of operation (Q3 2028 instead of Q3 2026)
- Decisions needed in 2022 addressed to AFC / Council
 - Release of time-critical re-procurement in Q2 2022
 - Budget release until end 2022 for full re-procurement of ACC & EXP components
 - Treatment of Russian contracts to be decided

TBC Possible new G-PAC for proposals to run in 2025 (same conditions as now)

The AGATA Spectrometer Over 10 Years of success

John Simpson
Daresbury Laboratory



THANK YOU



Science and
Technology
Facilities Council