



AGATA Campaign at GANIL

Dear Colleagues,

this is to inform you about the outcomes of the First AGATA@GANIL Workshop (February 18-20th) and the future plans for the scientific campaign. During the Workshop the different ancillary and complementary detectors were presented and 44 of the 47 letters of intent (LoI) submitted were discussed.

As you may know, the GANIL facility will host the European AGATA germanium array during 2014 and 2015. We have been informed that no SPIRAL beams will be available in 2014-2015. A new request to prolong the campaign in 2016, when the radioactive beams from SPIRAL1 will be available, has been submitted to the ASC.

Large part of the beam time delivered every year will be available for the AGATA campaign and one PAC meeting per year is foreseen.

In order to elaborate a scientific program compatible with the availability and development of the different experimental setups, it has been decided that the first part of the campaign (end of 2014-mid of 2015) will be devoted to those experiments that will use AGATA alone or in conjunction with VAMOS (in vacuum mode) and/or EXOGAM2. The scattering chamber will be prepared in order to allow the hosting of a plunger device. The target loader will be designed to accommodate fragile targets susceptible to oxidation.

Some of the LoI's require the use of VAMOS in gas-filled mode. This needs to be developed; a request for financial support has been submitted to a funding agency. Other big group of LoI's requires the use of the Neutron-wall or NEDA detectors, in most of the cases together with the charged-particle detector DIAMANT. Also in this case, it is necessary to develop the electronics compatible with AGATA and a dedicated scattering chamber and target loader. The use of other Si detectors has been requested in some LoI's.

Working groups for the different setups have been formed to face together the developments needed. To facilitate the organization of the different tasks in these developments, the proponents are encouraged to contact the coordinators of the working groups for the different devices:

- Neutron Wall and/or Diamant, Coordinator: Gilles de France
- VAMOS in gas-filled mode, Coordinator: Christoph Theisen/Christelle Schmitt
- Plunger, Coordinator: Joa Ljungvall
- DSSD detectors, Coordinator: Peter Reiter

For the complementary equipment the contact persons are:

- VAMOS: M. Rejmund
- EXOGAM2: G. de France
- MUST2 and Tiara: O. Sorlin and W. Catford
- PARIS: A. Maj
- OUPS Plunger: J. Ljungvall
- Cologne Plunger: Ch. Fransen

The next appointment is a collaboration meeting by the **end of October/beginning of November 2013, before the PAC meeting** (foreseen in January 2014). In that occasion, experimental proposals using AGATA alone, or coupled to VAMOS (in vacuum mode) and/or EXOGAM2 and/or the plunger will be discussed. LoI's with large overlaps are warmly encourage to start a collaboration to converge into a common proposal. All proposals using AGATA will have to be discussed in this collaboration meeting before being submitted to the PAC. This is to ascertain feasibility and avoid overlaps. Everybody is welcome to send us new letters of intent before the collaboration meeting.

Proposals using VAMOS in gas-filled mode or the Neutron-Wall will be submitted for the following PAC meetings.

If you have any question or suggestion, do not hesitate to contact us.

Thank you for your collaboration,

with best regards,

Silvia Lenzi and Emmanuel Clément