



AGATA Campaign at LNL

Third Pre-PAC Workshop

Zero-Degree Campaign Workshop

LNL, April 19th-21st, 2023

Second Circular

Dear Colleagues,

This is the Second Circular of the **first Zero-Degree Campaign workshop** and the **third Pre-PAC Workshop** for the AGATA physics campaign at LNL. **Both meetings will be held in person at LNL.** The Zero-Degree Campaign Workshop will take place on April 19th at LNL and will be followed by the third Pre-PAC Workshop on April 20-21st, 2023.

The forthcoming LNL PAC meeting is scheduled for July 10-12th, 2023, and will evaluate experiments to be performed in the second half of 2023. During this period, only **beams from the TANDEM accelerator will be available** at LNL, and AGATA is expected to consist of a minimum of 15 triple clusters (1π solid angle coverage).

The aim of the Pre-PAC Workshop is to assist the spokespersons in putting the strongest cases for their proposals forward through a discussion of the physics to be investigated, and to assess the feasibility of the proposed experiments. This includes all experiments planning to use stable beams from the Tandem accelerator for studies involving AGATA in a possible combination with PRISMA and/or ancillary detectors that are compatible with PRISMA. **Any new projects will have to be presented at this workshop before being submitted to the LNL PAC. In most cases, we will not expect presentations of the projects that have already been discussed at the previous Pre-PAC Workshops.** If, however, a new project shows a considerable overlap with a previously discussed project of a different group, both parties will be informed and encouraged to participate in the upcoming Workshop.

The Pre-PAC Workshop will be preceded by a **one-day meeting** devoted to the discussion of a future campaign involving **AGATA at zero degrees**, held on April 19th, 2023.

For this campaign, we expect that beams from the entire Tandem-ALPI-PIAVE complex will be available (please consult the LNL website for their list:

https://agenda.infn.it/event/34322/attachments/101184/140912/tandem_piave_alpi_beams_agata.pdf).

Technical information about complementary detectors compatible with AGATA at zero degrees can be found here:

<https://agenda.infn.it/event/34322/attachments/101184/143929/ZeroDegrees-Detectors.pdf>

together with a list of contact persons for each set-up. In the coming days, we will also provide information about Day-One SPES beams, which could be used in experiments with AGATA at zero degrees.

The deadline to **submit Letters of Intent (Lols) for both above-mentioned AGATA setups (AGATA in configuration with PRISMA and Tandem beams and AGATA at zero**

degrees with Tandem-ALPI-PIAVE and SPES Day-One beams) via the link: <https://agenda.infn.it/event/34322/abstracts/> has been extended to **April 12th, 2023**. They are expected to include, in a pdf file, a title, short abstract with a description of the physics case and the experimental setup. For the Lols submitted to the Pre-PAC, also information on beam (energy, intensity), target(s), and the justified request of beam time are required.

All spokespersons of new Lols for AGATA in the current configuration and Lols for AGATA at zero degrees will be invited to present their proposals at the Workshops. The time allocated for each Lol presentation is 15 minutes + 10 minutes for discussion.

REGISTRATION

Participants are invited to register at the Workshops webpage: <https://agenda.infn.it/event/34322/registrations/3499/>

The deadline for registration is April 12th, 2023.

A Workshop dinner is planned in the evening of April 20th. Please indicate when registering if you intend to take part in it. The price of the dinner will be around 35-40 euros.

TRAVEL and ACCOMMODATION

The meeting will be held at INFN Laboratori Nazionali di Legnaro, Viale dell'Università 2, Legnaro (Padova), Italy. Travel details are given on the Workshop website. A list of suggested hotels is also available there. Participants are kindly requested to book their rooms by contacting the hotel directly.

Further and updated information is available on the Workshop website: <https://agenda.infn.it/event/34322/>

Looking forward to seeing you at Laboratori Nazionali di Legnaro,

Magda Zielińska and Jose Javier Valiente Dobón