



AGATA Campaign at LNL

Seventh pre-PAC Workshop

LNL, July 10th-11th, 2025

First Circular

Dear Colleagues,

We are pleased to announce the seventh Pre-PAC Workshop for the AGATA physics campaign at LNL. It will take place on July 10th-11th 2025 at the Legnaro National Laboratories and is planned to be held in person, with an option of on-line participation. This pre-PAC will be the last one for the AGATA-PRISMA configuration before moving to the zero-degree campaign during the second semester of 2026. **It will be the last pre-PAC covering physics cases that require PRISMA.**

The forthcoming LNL PAC meeting is planned for October 2025 and will evaluate experiments to be performed from October 2025 until end of July 2026. For the first part of the beam time, indicatively until March 2026, only **beams from the TANDEM accelerator will be available** at LNL. Starting from spring 2026, TANDEM-PIAVE-ALPI beams will also be available including the newly developed ²³⁸U beams. AGATA is expected to consist of a minimum of 12 triple clusters.

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 and TANDEM-PIAVE-ALPI accelerators, and unstable beams produced in the EXOTIC facility. The experiments could be involving AGATA in a possible combination with PRISMA and/or ancillary detectors listed below. 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 to the upcoming Workshop.

You are welcome to **submit Letters of Intent (Lols) for AGATA in configuration with PRISMA and TANDEM/TANDEM-PIAVE-ALPI beams, as well as Lols for the EXOTIC facility, via the link: <https://agenda.infn.it/event/47146/> with a deadline on June 20th, 2025.** The Lols are expected to include, in a pdf file, a title, a short abstract with a description of the physics case and the experimental setup, details on the wanted beam (energy, intensity), target(s), and the justified request of beam time.

We warmly recommend the Lol spokespersons to contact as soon as possible the experts of the complementary equipment they intend to use. These contact persons are:

- PRISMA and PRISMA second arm : L. Corradi, F. Galtarossa
- SAURON : M. Balogh, E. Pilotto
- AGATrace : S. Capra
- SPIDER: N. Marchini, M. Balogh
- DANTE: K. Rezyunkina,
- Gamma-ray scintillators: A. Giaz
- Plunger: F. Angelini
- EXOTIC : S. Pigliapoco, M. Mazzocco

Note that, due to the installation of the new electronics for the AGATrace array, the EUCLIDES detector will not be available for this call.

The second arm of PRISMA, for kinematics coincidence with PRISMA will be installed in the last part of the campaign. For any question regarding the configuration please contact the people in charge.

REGISTRATION

Participants are invited to register at the workshop webpage:
<https://agenda.infn.it/event/47146/>

The deadline for registration is July 9th, 2025.

IMPORTANT DEADLINES

- Lol submission: June 20th, 2025
- Registration: July 9th, 2025.

WEB PAGE

Updated information on the Workshop can be found at their web page:
<https://agenda.infn.it/event/47146/>

Do not hesitate to contact us for any further information.

Looking forward to seeing you at LNL

With best regards,

Magda Zielińska and Alain Goasduff