

*To all LNL Users
To the Members of the LNL Users Board*

*CC the Responsible of the Accelerator Division
CC the Responsible of the Research Division
CC the Responsible of the Technical Division
CC the User Service Responsible
CC the PAC members
CC LNL Director*

Dear Colleagues,

we inform you that the Program Advisory Committee (PAC) of the Laboratori Nazionali di Legnaro (LNL) of INFN will meet on January 22-24, 2024.

The PAC will select experiments to be performed with the Tandem-ALPI-PIAVE, CN and AN2000 accelerators during the period February-July, 2024.

The deadline for the submission of proposals is December 18, 2023.

Status of the Accelerators

The following accelerators will be in operation: CN, AN2000, Tandem-ALPI-PIAVE for the next data taking period.

The Tandem accelerator can be operated at terminal voltages up to 14.0 MV. The CN accelerator will be limited to terminal voltages up to 5.5 MV and will provide only single-charged beams. The AN2000 accelerator will be available in self-service mode.

List of available Tandem-ALPI-PIAVE beams

We remind that the energies and intensities reported in the table are indicative ones: in selected cases, higher energies may be achieved at the expense of beam intensities. The proponents are encouraged to contact PACbeams@lnl.infn.it for further details.

List of available CN and AN2000 beams

Proposals Submission

Only web-based submissions are accepted. You must have an active INFN-AAI account to submit the proposal. Otherwise, you will have to ask calcolo@lnl.infn.it (INFN LNL STI) for an account activation. In this case, please consider to ask for an account as soon as possible if you plan to submit a proposal.

Call for PAC proposals

You are encouraged to use the Word template or LaTeX files for the abstract and body of the proposal, available on the web page. You must submit only pdf files. The maximum length of the abstract must be restricted to one page and must contain:

- the title of the proposal;
- the accelerator complex to be used;
- the experimental setup and/or the beamline for which the experiment is proposed;
- the name(s) of the spokesperson(s);
- the names of the Group Leader In Matter of Safety (GLIMOS);
- the list of all the authors and their affiliation;
- a summary of the proposal.

The body of the proposal does not contain the abstract page and must be strictly limited to a maximum of 5 pages (12pt fonts) - tables, figures and references included.

The proposals should include the scientific motivation of the experiment, technical details of the proposed measurement - i.e. the description of the instrumentation needed, quantities to be measured and related precision - and the number of days of beam time requested based on count-rate estimates. A detailed schedule for each measurement run should be included, stating the ion species, the energy or range of energies, the beam current, and the number of requested days. Requested beam energy and current combinations must be evaluated carefully and specified for all the different beams required. For continuation experiments, a summary of the status of activities performed in previous periods is expected to be reported.

Technical Review of the Proposals

After the submission and before the PAC meeting, the technical feasibility of the proposals (in terms of beam availability, intensity, energy, target, status of the accelerators, readiness of the experimental setup, radioprotection limits, accident safety and prevention) will be reviewed by an internal LNL committee.

The spokespersons will be notified about any issue found by the technical evaluation of their proposals about 7 days before the PAC meeting.

Oral Presentation

Oral presentation of the proposals at the PAC meeting may be required both to new and continuation experiments and should contain previously obtained results, if applicable.

The PAC meeting will be held in person. Spokespersons are requested to present in person their proposals.

Beamtime Schedule

[Calendars](#)

PAC membership

[PAC members](#)

Best Regards,

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