
Transnational Access with ChETEC-INFRA

3.5MV Singletron Accelerator / Bellotti Ion Beam Facility at the INFN Gran Sasso National Laboratory



Country of Installation: Italy

Local Contact: Dr. Matthias Junker

www.chetec-infra.eu/tna/bellotti-ion-beam-facility

Last Updated: July 9, 2024.

Transnational Access with ChETEC-INFRA: How To Apply

Eligibility & Support

Criteria for eligibility and evaluation of proposals for Transnational Access are outlined on the [ChETEC-INFRA website](http://www.chetec-infra.eu)¹.

- The user group leader and the majority of the users must work in a country other than the country where the installation is located (Italy).
- The user group must be allowed to disseminate the results of the TNA project. If the user group is part of an Small or Medium Enterprise (SME), this requirement can be waived.

For proposals that are approved by the User Selection Panel (USP), access costs for the number of beam time hours approved by the USP are covered in full through ChETEC-INFRA.

Form of the proposal

Please submit your proposal via [GATE](https://gate.hzdr.de)². Two documents will be required:

- a project description, and
- an experimental plan.

Please make sure to list all co-proposers in your proposal itself (i. e., not only in the submitted pdf documents). A GATE account will be required for every co-proposer.

¹<https://www.chetec-infra.eu/tna/application/>

²<https://gate.hzdr.de>

Project Description / Scientific Plan

Please use the [common template](#)³ for the structure of this first part of the proposal, and ensure that the following points are covered:

- Relation to the scientific program of ChETEC-INFRA
- Scientific justification
- Goals of the proposed project
- Feasibility of the proposed project
- Supplemental information (figures, tables, references)

In GATE, please upload this document as “Project Description”.

For proposals utilizing more than one infrastructure, please submit individual proposals for each facility in GATE, but with a common “Project Description” document (identical for all connected proposals), and different “Experimental Plan” documents.

Experimental Plan / Facility-Related Information

The experimental plan should contain the necessary information to decide on the feasibility of the proposed project at the facility, and to evaluate the amount of access / support requested through ChETEC-INFRA.

Please make sure to include the following information:

- aim of the TA in short, add. to proposal
- Ion beam energies
- Ion beam intensities
- Ion beam species
- Total duration of the TA
- Equipment that you bring to the facility
- Required equipment to be provided by the TA facility
- Justification of necessity for low cosmic background
- Estimate of neutron flux created by the experiment

Please use the template available [here](#)⁴ for the experimental plan.

³https://www.chetec-infra.eu/wp-content/uploads/2021/10/TNA_General_TemplateScience.docx

⁴https://www.chetec-infra.eu/wp-content/uploads/2024/07/TNA_Bellotti-IBF_TemplateExp_v1.docx

Travel / Logistics

- Standard operation of the facility is in visitor / “hands on” mode.
 - Travel support can be requested through ChETEC-INFRA.
If travel support is requested, please include details (number of supported scientists, duration of stay) in your request.
 - We strongly recommend to get in contact with the facility at the time of preparing the proposal, in order to discuss the practical aspects of access and use of the facility.
-

Contact Information

For any questions on ChETEC-INFRA’s Transnational Access program, please contact the TNA management team (Dr. Konrad Schmidt and Dr. Axel Boeltzig) at chetec-infra@hzdr.de.

[Office hours](#)⁵ for all questions around transnational access are available as open Zoom meetings.

Facility-specific questions can be addressed to the TNA facility contact Dr. Matthias Junker (accelerators@lngs.infn.it).

We look forward to hearing from you!

The transnational access program of ChETEC-INFRA is funded by the European Union’s Horizon 2020 research and innovation programme under grant agreement No 101008324.

⁵<https://www.chetec-infra.eu/tna>