CALL FOR PROPOSALS

By this message we would like to invite you to submit proposals for new and continued experiments with the heavy-ion beams delivered by the U200-P cyclotron at Heavy Ion Laboratory, University of Warsaw. The HIL Programme Advisory Committee will select the experiments to be performed during the entire year 2025**.** Letters of Intent for later projects are welcome as well.

The deadline for submitting proposals and Letters of Intent is
12th of November 2024.

Experimental facilities available at HIL:

- **EAGLE** HPGe detector array: www.slcj.uw.edu.pl/en/eagle
  contact person: Marcin Palacz palacz@slcj.uw.edu.pl

- Neutron Detection Array (**NEDA**): www.slcj.uw.edu.pl/en/needle
  contact person: Grzegorz Jaworski tatrofil@slcj.uw.edu.pl

- **DIAMANT** proton and alpha charged particle detector used for channel selection in fusion-evaporation reactions
  contact person: Istvan Kuti kuti@atomki.hu

- **ULESE** - conversion-electron spectrometer for “in-beam” measurements
  https://www.slcj.uw.edu.pl/en/spectroscopy-of-internal-conversion-electrons/
  contact person: Jarosław Perkowski: jaroslaw.perkowski@uni.lodz.pl

- **SiICA** - particle detector array for Coulomb excitation studies:
  http://slcj.uw.edu.pl/en/coulomb-excitation-at-the-warsaw-cyclotron/
  contact person: Katrarzyna Hadyńska-Klęk kasiah@slcj.uw.edu.pl

- **ICARE** charged particles detector system
  contact person: Agnieszka Trzcińska agniecha@slcj.uw.edu.pl

- **CUDAC** compact scattering chamber with PIN diode detectors
  contact person: Agnieszka Trzcińska agniecha@slcj.uw.edu.pl

- Station for material and biological irradiation
  contact person: Zygmunt Szefliński: szef@fuw.edu.pl

- Radiobiological research laboratory
  contact person: Urszula Kaźmierczak ukazmierczak@slcj.uw.edu.pl

- Internal beam targets irradiation station
  contact person: Jarosław Choiński jch@slcj.uw.edu.pl

Note that the NEDA array is available at HIL for a limited time period only, till summer 2025. The primary application of NEDA is to act as neutron tagging device and a neutron multiplicity filter in reactions in

which emission of neutrons is rare. NEDA works in connection to the EAGLE gamma ray spectrometer, and the setup can be combined with the charged particle detector DIAMANT as well as a plunger.

Available beams:
A list of available beams and energies is accessible by following the link:
http://slcj.uw.edu.pl/en/available-beams/

Submission procedure:
Please use the beam request form and proposal template file available at:
http://slcj.uw.edu.pl/en/beam-requests/

The maximum length of the proposal is 6 pages (excluding cover page, abstract and references).

Please use the following address for submission: hil_proposal@slcj.uw.edu.pl

Oral Presentation:
The oral presentation of proposals is mandatory and will take place on the **13th of December 2024** during the open **HIL PAC Meeting**. The meeting is planned to be held in-person, however, the option for on-line presentations is also foreseen.

Before submission of the proposal, it is requested that you make contact with a person at HIL who becomes the local contact person for the project and helps to clarify all matters related to the experiment including its technical feasibility. In case you cannot indicate such a person please ask for advice the PAC secretary. The contact persons of the respective devices (see the list above) must also be informed before a proposal is submitted. Experimental teams interested in the use of the plunger device are requested to contact Christoph Fransen before submitting the proposal:

- **Plunger** contact person: Christoph Fransen fransen@ikp.uni-koeln.de

Yours sincerely,
Katarzyna Wrzosek-Lipska,
HIL PAC Secretary