

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 period **from February 2024 till mid of July 2024**. Letters of Intent for later projects are welcome as well.

**The deadline for submitting proposals and Letters of Intent is
10th of December 2023.**

Experimental facilities available at HIL:

- **EAGLE** HPGe detector array: www.slj.uw.edu.pl/en/eagle
contact person: Marcin Palacz palacz@slj.uw.edu.pl
- Neutron Detection Array (**NEDA**): www.slj.uw.edu.pl/en/needle
contact person: Grzegorz Jaworski tatrofil@slj.uw.edu.pl
- **DIAMANT** proton and alpha charged particle detector used for channel selection in fusion-evaporation reactions
contact person: Istvan Kuti kuti.istvan@atomki.hu
- **ULESE** - conversion-electron spectrometer for “in-beam” measurements
<https://www.slj.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://slj.uw.edu.pl/en/coulomb-excitation-at-the-warsaw-cyclotron/>
contact person: Katarzyna Hadyńska-Klęk kasiah@slj.uw.edu.pl
- **ICARE** charged particles detector system
contact person: Agnieszka Trzcińska agniecha@slj.uw.edu.pl
- **CUDAC** compact scattering chamber with PIN diode detectors
contact person: Agnieszka Trzcińska agniecha@slj.uw.edu.pl
- Station for material and biological irradiation
contact person: Monika Paluch-Ferszt: mpaluchferszt@slj.uw.edu.pl
- Radiobiological research laboratory
contact person: Urszula Kaźmierczak ukazmierczak@slj.uw.edu.pl
- Internal beam targets irradiation station
contact person: Jarosław Choiński jch@slj.uw.edu.pl

Note that the NEDA array is available at HIL for a limited time period only, i.e. till July 2024. 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. It is foreseen in the mid of January 2024 and will take place at an open HIL PAC Meeting. The meeting is planned to be held in-person, however, the option for on-line presentations is also foreseen. The exact date and schedule of the HIL PAC meeting will be send later.

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.

Yours sincerely,
Katarzyna Wrzosek-Lipska,
HIL PAC Secretary