

## To all potential users of the Warsaw Heavy Ion Cyclotron

The next meeting of the Program Advisory Committee will be held in the first half of April 2022 at Heavy Ion Laboratory (HIL), University of Warsaw. The information about the final date will be sent soon. By this message we would like to invite to submit proposals for new and continued experiments with the heavy-ion beams delivered by the U200-P cyclotron. This PAC will select the experiments to be performed during the period **from May 2022 till beginning of 2023**. Letters of Intent for later projects are welcome as well.

**The deadline for submitting proposals and Letters of Intent is  
7th of March 2022.**

In addition to the experimental facilities presently at users disposal at HIL, the Neutron Detector Array (NEDA) will be available for experiments at the Heavy Ion Laboratory during a period of about 1 year, starting in the second half of 2022. NEDA will be connected to the EAGLE gamma-ray spectrometer. The primary application of the NEDA-EAGLE setup (nicknamed NEEDLE) will be to study proton rich nuclei using fusion-evaporation reactions, with NEDA serving as a neutron multiplicity filter.

### Experimental facilities available at HIL:

- **EAGLE** HPGe detector array: [www.slj.uw.edu.pl/en/eagle](http://www.slj.uw.edu.pl/en/eagle)  
contact person: Marcin Palacz [palacz@slj.uw.edu.pl](mailto:palacz@slj.uw.edu.pl)
- Neutron Detection Array (**NEDA**): [www.slj.uw.edu.pl/en/needle](http://www.slj.uw.edu.pl/en/needle)  
contact person: Grzegorz Jaworski [jaworski@slj.uw.edu.pl](mailto:jaworski@slj.uw.edu.pl)
- **ICARE** charged particles detector system  
contact person: Agnieszka Trzcińska [agniecha@slj.uw.edu.pl](mailto:agniecha@slj.uw.edu.pl)
- Coulomb excitation scattering chamber:  
<http://slj.uw.edu.pl/en/coulomb-excitation-at-the-warsaw-cyclotron/>  
contact person: Katarzyna Hadyńska-Klęk [kasiah@slj.uw.edu.pl](mailto:kasiah@slj.uw.edu.pl)
- Station for material and biological irradiation  
contact person: Monika Paluch [mpaluchferszt@slj.uw.edu.pl](mailto:mpaluchferszt@slj.uw.edu.pl)
- Radiobiological research laboratory  
contact person: Urszula Kaźmierczak [ukazmierczak@slj.uw.edu.pl](mailto:ukazmierczak@slj.uw.edu.pl)

### Available beams:

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

### Submission procedure:

Please use the beam request form and proposal template file available at:  
<http://slj.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@slj.uw.edu.pl](mailto:hil_proposal@slj.uw.edu.pl)

### Oral Presentation:

The oral presentation of the proposals is foreseen in the first half of April and will take place at Heavy Ion Laboratory, University of Warsaw, during the open HIL PAC Meeting. The meeting is planned to be held in person, however due to the unforeseeable evolution of the COVID-19 pandemic also the option for on-line presentations will be available. The exact date and schedule of the HIL PAC meeting will be send later.

Before submission of the proposal, it is recommended that you make contact with a specific person at HIL who becomes your contact person and helps to clarify all matters related to the experiment including its technical feasibility.

Yours sincerely,  
Katarzyna Wrzosek-Lipska, HIL PAC Secretary