Prof. Krzysztof Rusek, director
Dr. Jarosław Choinski, deputy director
Dr. Pawel Napiorkowski, deputy director
Mgr Agnieszka Maciejewska, financial officer
**Fundamental Research:**


**Applied Research:**


**Innovation activities:**

- New pharmaceuticals for PET diagnosis.
- Innovative radiation detectors.

**Technology Transfer:**

- Patent application: P.414054, “An external, well cooled, target holder for the PETtrace cyclotron”.
- Licensing.
- Technologies to be transferred.
**Developmental projects:**
- “Enhanced Multi-Ionization of short-Lived Isotopes at EURISOL” - EMILIE, contract ERA-NET-NUPNET/02/12 international project funded by the Polish National Centre for Research and Development, NCRD.
- “GAmma detection with New Advanced Scintillators” - GANAS, contract ERA-NET-NUPNET/03/12 international project funded by the Polish National Centre for Research and Development, NCRD.
- ALTECH, agreement PBS1/A9/2/2012, grant awarded by the Polish National Centre for Research and Development, NCRD; co-funded by the IAEA in the framework of the Coordinated Research Project: “Accelerator-based Alternatives to Non-HEU Production of $^{99}$Mo/$^{99m}$Tc”.
- “The development of a high-temperature reactor for industrial use” - HTRPL, contract SP/J/1/166183/12, project within the strategic programme “Assistive technology for the development of safe nuclear energy” founded by the Polish National Centre for Research and Development, NCRD.
- “New Cyclotron Method for $^{47}$Sc Production and Conjugation of $^{47}$Sc to Monoclonal Antibodies”, funded by the IAEA in the framework of the Coordinated Research Project (CRP): "Therapeutic Radiopharmaceuticals Labelled with New Emerging Radionuclides ($^{67}$Cu, $^{188}$Re,$^{47}$Sc) (F22053).”
- Development of methods for the production of new radiopharmaceuticals based on radionuclide $^{43}$Sc and $^{44}$Sc, which could be used in the PET technique”, PET-SKAND, agreement DZP/PBS3/2319/2014, grant awarded by the Polish National Centre for Research and Development, NCRD.

**Other information:**
HIL is involved in teaching (about 10 bachelor-, master-, PhD- theses/year). It organizes annually the “Workshop on the Acceleration and Applications of Heavy Ions”, intended for young students from Polish universities. Every second year, together with the Faculty of Physics of the University of Warsaw and the National Centre for Nuclear Research, HIL organizes the Mazurian Lakes Conference on Physics (see Acta Physica Polonica B 47, 573 (2016)).