

Kraków
November 29, 2017



THE HENRYK NIEWODNICZAŃSKI
INSTITUTE OF NUCLEAR PHYSICS
POLISH ACADEMY OF SCIENCES

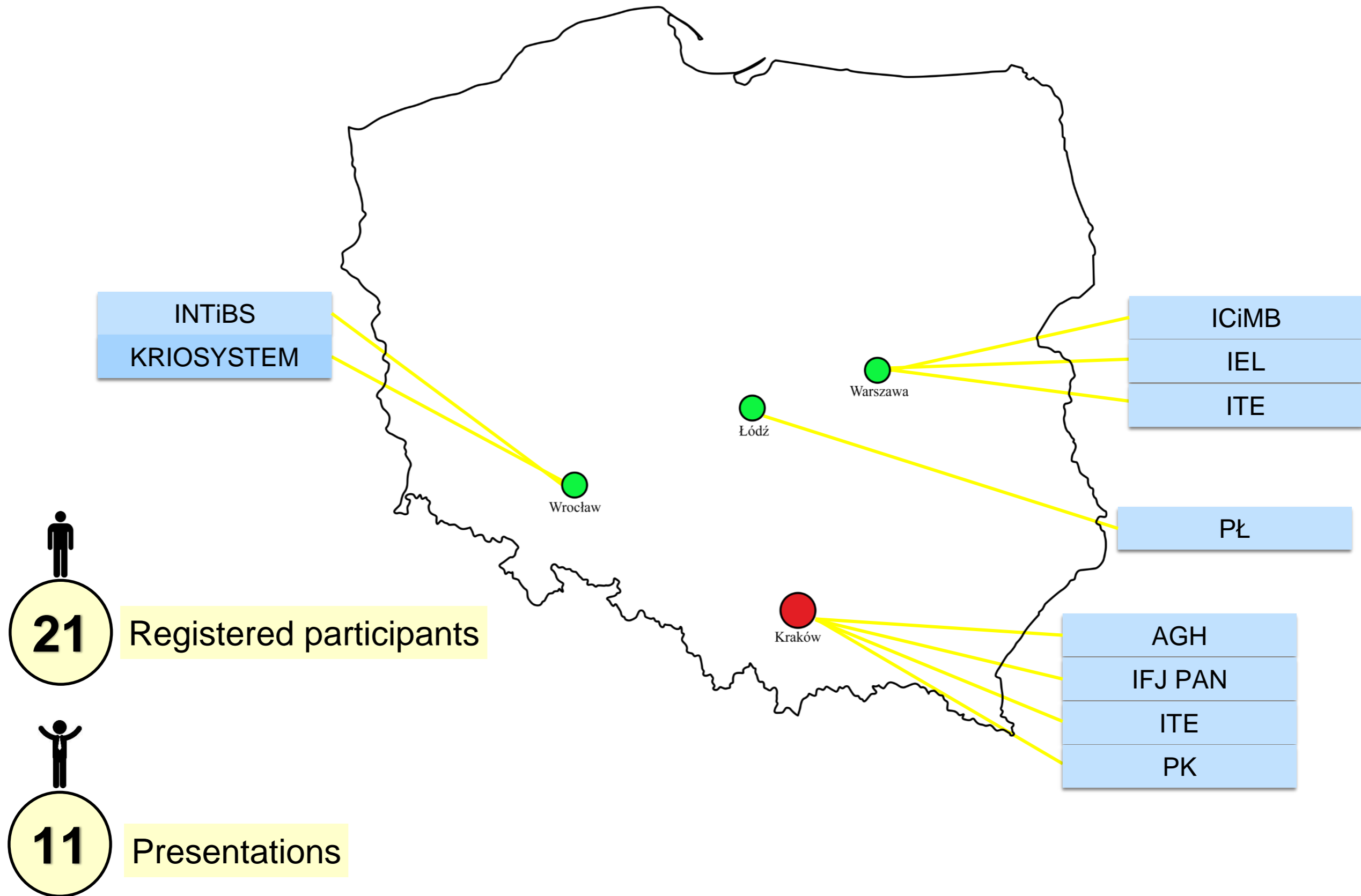
Welcome to

LHTSW'17

Low and High Temperature Superconductors Workshop

Research and Applications

LHTSW'17 participants



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THE HENRYK NIEWODNICZAŃSKI
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60 years

The Henryk Niewodniczański
Institute of Nuclear Physics
Polish Academy of Sciences

Polish Academy of Sciences
Institute of Nuclear Physics
Instytut Fizyki Jądrowej
im. Henryka Niewodniczańskiego
Polskiej Akademii Nauk

Institute of Nuclear Physics

Polish Academy of Sciences

Dariusz Bocian

Low and High Temperature Superconductors Workshop 2017

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IFJ PAN facts and figures

The Institute of Nuclear Physics was established in Cracow in 1955. Currently IFJ PAN is the largest research institute of the Polish Academy of Sciences. The Institute territory of 8 ha is located in the western part of Cracow in southern Poland.

The Institute employs over 550 people inc. 41 Professors, 55 Associate Professors, 120 Assistant Professors and 68 Ph.D students.

The average yearly yield of the IFJ PAN in recent years encompasses more than 500 scientific papers in the Journal Citation Reports published by the Thomson Reuters. The Institute is of A+ Category (leading level in Poland) in the field of sciences and engineering.

Cooperation with:

BNL – Brookhaven, CERN – Geneva, DESY – Hamburg, ENEA – Frascati, GANIL – Caen, GSI – Darmstadt, ILL – Grenoble, JINR – Dubna, KEK – Tsukuba, KFZ – Juelich, LNGS – Gran Sasso, LNL – Legnaro, MIT – Cambridge, MPI – Greifswald.



Scientific divisions

- Division of Particle and Astroparticle Physics (7)
- Division of Nuclear Physics and Strong Interactions (4)
- Division of Condensed Matter Physics (5)
- Division of Theoretical Physics (4)
- Division of Interdisciplinary Research (4)
- Division of Applications of Physics (4)

Accredited laboratories

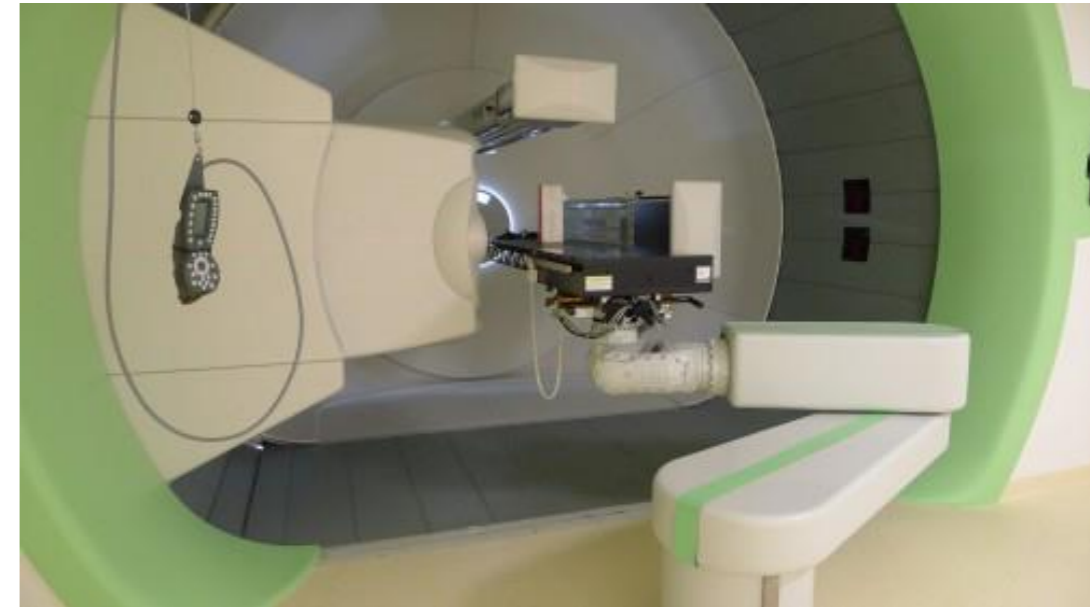
- Laboratory of Individual and Environmental Dosimetry
- Laboratory of Radiometric Expertise
- Laboratory of Radioactivity Analyses
- Laboratory for Calibration of Radiation Protection Instruments

Cyclotron Center Bronowice (CCB)

- Radiotherapy of central nervous system tumours
- Eye melanoma radiotherapy facility

Krakow Research Center for Ion Engineering (IONMED)

Division of Scientific Equipment and Infrastructure Construction (DAI)



IFJ PAN infrastructure

Infrastructure for ions acceleration, irradiation and imaging applied in interdisciplinary research in physics, medicine and related sciences

- Proteus C-235 cyclotron
- Isochronous cyclotron AIC-144
- Van de Graaff accelerator
- Two-beam ion implanter
- Nanosecond pulsed source of neutrons
- Infrastructure for MR imaging at 9.4 T and 4.7 T
- SQUID magnetometer
- Helium liquefier
- Superconducting magnet test stand

Infrastructure for solid state physics research (>30)

Infrastructure for life science research (>15)

Infrastructure for environmental monitoring and radiation dosimetry (>30)

