



The Henryk Niewodniczanski
Institute of Nuclear Physics
Polish Academy of Sciences

Superconductivity: Superconductors Properties and their Application in Science

Welcome to SPAS 2014

SPAS 2014, Kraków

- 546 personnel
- Prof. 41, Assoc. Prof. 52, Ph.D. 109
- PhD studies – 67 students
- Interdisciplinary PhD studies
- 6 divisions: 29 departments
- centre of excellence
- centre of advanced technology
- 4 accredited laboratories
- Equipment and Scientific Infrastructure Construction Division (DAI)



Main Research Fields

Particle physics and astrophysics

Nuclear and strong interactions physics

Condensed matter physics

Interdisciplinary and applied research

Theoretical physics

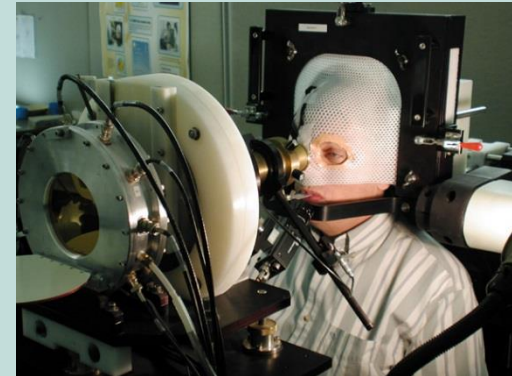


- **cyclotron AIC-144**
 - proton beam energy: 60 MeV
 - Proton Radiotherapy of Eye Melanoma

- **Cyclotron Proteus C-235**
 - National Centre for Hadron Radiotherapy
 - under construction (2013)

- **neutron generator**
 - 14 MeV

- **VdG high stability**
 - 2.5 MeV



Running projects:

- XFEL, DESY, Hamburg, 2009 – 2015
- LHC, CERN, Geneva, 2013 – 2014
- ITER, Cadarache, 2010-2015
- Cherenkov Telescope Array (CTA), 2008 – 2013



Completed projects

- LHC, CERN Geneva, 2005 – 2012
- Wendelstein 7X, IPP Greifswald, 2007 – 2012
- ATLAS, CERN Geneva, 2004 - 2012
- T2K, J-PARC Tokai, Krakow/J-PARC, 2007 – 2009