

Physics of Elementary Interactions

in
the **LHC** era
April, 21-22, 2008, Warsaw

Fizyka oddziaływań elementarnych w erze LHC

Rychłe uruchomienie akceleratora LHC (Large Hadron Collider) w europejskim laboratorium CERN wyznacza nowy etap badań oddziaływań elementarnych. Z tej okazji zapraszamy na specjalne sympozjum adresowane do szerokiego grona ludzi związanych z nauką w Polsce.

OPEN SYMPOSIUM
organized to promote
the physics of elementary interactions
in Poland

The upcoming inauguration of the LHC accelerator at CERN marks the beginning of a new era in the physics of elementary interactions. On this occasion we invite the wide community of people interested in the development of science in Poland to attend an open symposium devoted to this remarkable event.

April 21, 9.15-18.30

- **S. Pokorski (University of Warsaw)**
A turning point in the physics of elementary interactions
- **R. Aymar (CERN, Director General)**
The LHC programme and the future of CERN
- **J. Nassalski (SINS, Warsaw)**
Poland at CERN
- **R. Heuer (DESY, next Director General of CERN)**
Particle physics in the next decades
- **S. Lettow (CERN)**
CERN and industry
- **J. - M. Le Goff (CERN)**
CERN and technology transfer
- **M. Turała (INP PAN, Cracow)**
LHC Grid computing in Poland
- **G. Polok (INP PAN, Cracow)**
The Polish contribution to the construction of LHC
- **W. Dąbrowski (UST AGH, Cracow)**
CERN and technology transfer in Poland
- **M. Chorowski (Wrocław University of Technology)**
Links to industry in Poland
- **R. Landua (CERN)**
Educational Programme of CERN
- **H. Howaniec (High School, Łódź)**
Participants' impressions from CERN educational programme

April 22, 9.30-14.00

- **K. Peach**
(John Adams Inst. for Accelerator Science, Director)
Global research strategies
- **B. Foster (Oxford University)**
The ILC Project
- **A. Białas (Jagiellonian University)**
Nature abhors a vacuum
- **E. Richter-Wąs (INP PAN, Cracow)**
Search for the Higgs boson at the LHC
- **J. Królikowski (University of Warsaw)**
Search for new particles at the LHC
- **M. Różańska (INP PAN, Cracow)**
Beauty Physics
- **H. Białkowska (SINS, Warsaw)**
Heavy ion physics
- **E. Rondio (SINS, Warsaw)**
Fixed target physics at CERN
- **A. Zalewska (INP PAN, Cracow)**
Neutrino physics and dark matter

The Symposium is organized by:

- the Committee for Strategic Planning in Physics of Elementary Interactions
- the High Energy Physics Commission at the Polish National Atomic Energy Agency.

Programme Committee

- Andrzej Białas (Jagiellonian University, Cracow)
- Helena Białkowska (Soltan Institute for Nuclear Studies, Warsaw)
- Danuta Kisielewska (AGH – University of Science and Technology, Cracow)
- Jan Królikowski (University of Warsaw)
- Jan Nassalski (Soltan Institute for Nuclear Studies, Warsaw), co-chair
- Stefan Pokorski (University of Warsaw), chair
- Michał Turała (Institute for Nuclear Physics PAN, Cracow)
- Agnieszka Zalewska (Institute for Nuclear Physics PAN, Cracow)

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<http://www.fuw.edu.pl/LHC/symp08.html>