

**Proposal for the organization of
the MPI@LHC 2014**

3 – 7 November 2014

IFJ PAN

Kraków, Poland

- **Motivation:** large concentration of researchers working (at Institute for Nuclear Physics PAN and Jagiellonian University) on phenomenology and experimental aspects of MPI (Antoni Szczurek group, Golec-Biernat), low x physics (A. Szczurek, K. Golec-Biernat, K. Kutak , ATLAS, ALICE, RHIC, H1, ZEUS) and diffraction (A. Szczurek, W. Schafer, ATLAS, ALICE, RHIC, H1, ZEUS), Monte Carlo (S. Jadach, M. Skrzypek). Besides this there are researchers working on heavy ions (P. Bozek, W. Broniowski, W. Florkowski, ALICE, RHIC) who can also contribute to the workshop.
The location of MPI@LHC 2014 in Krakow will allow for participation of many researchers working on LHC physics which is very important driving force of the MPI physics.
- **Organizing institution:** the Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN) www.ifj.edu.pl
- **Venue:** main aula of Polish Academy of Sciences and Arts (PAU) (located at the city center) capacity 100 people, free wi-fi
- **Accommodation:**
 - Regular hotel rooms will be reserved in wide price range (from approximately 50 Euro/night). The institute has an agreement with some hotels in the city center and the price for a night is reasonable
 - The institute can also offer cheap accomodation as well as has agreement with Jagiellonian University guest houses
 - Hostels (from 20 euro/night)
- **Conference fee:** 250 euro. It includes lunches, cofee breakes, conference dinner, payment for renting of the conference venue.

Local Advisory Committee

- ◆ Marek Jeżabek (IFJ PAN)
- ◆ Andrzej Białas (PAU, Jagiellonian University)
- ◆ Stanisław Jadach (IFJ PAN)
- ◆ Krzysztof Golec-Biernat (IFJ PAN)

Proposed Organizing Committee

- ◆ Antoni Szczurek (IFJ PAN, University of Rzeszów)
- ◆ Krzysztof Kutak (IFJ PAN)

About Kraków



Kraków is one of the largest and oldest cities in Poland, with a population of almost 800 000. The historic centre of Kraków, the former capital of Poland, is situated at the foot of the Royal Wawel Castle. The 13th-century merchants' town has Europe's largest market square and numerous historical houses, palaces and churches. Kraków is also known for the remnants of the 14th-century fortifications and the medieval site of Kazimierz with its ancient synagogues in the southern part of town and the Gothic Cathedral where the kings of Poland were buried. Kraków is the leading center of Polish scientific, cultural and artistic life. In 1978, UNESCO added Kraków's historic centre, which includes the Old Town, Kazimierz and the Wawel Castle, to the list of World Heritage Sites. Each year around 160 000 students study at as many as 18 universities and colleges in Kraków, constituting almost 7,5% of all students in Poland. John Paul II International Airport Kraków-Balice is located near Kraków, in the village of Balice, 11 km west of the city centre. The Airport cooperates with the largest airlines, as well as with low cost carriers. The number of passengers served in the last years oscillates between 2,5 and 3 million yearly. Daily, there are around 30 direct arrivals from different European cities, out of which 5 take place before 10.00 am, and 7 arrivals from Warszawa, the main transit hub in Poland. The Airport connection with the city centre is quick and comfortable. In addition to road access by hired car or taxi, other options are:

- by train - the "Balice Ekspres" operates between Kraków Główny (Main railway station) and the Balice Airport. It takes 18 minutes to get to the centre;
- by bus - public buses link the airport with the main railway station in Kraków (Kraków Główny) and the central bus station (Kraków Główny RDA)

About IFJ PAN



The Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences (IFJ PAN) is an institution with a large scientific and technical potential involved in both theoretical and experimental research. IFJ PAN carries out basic and applied research in physics, with emphasis on nuclear physics. The important branch of science in the Institute is also particle physics. There are six departments grouped within the Division of Particle Physics and Astrophysics that are involved in the following experiments: ATLAS, LHCb, BELLE, Pierre AUGER, WARP, ICARUS, T2K, LAGUNA, HESS, ZEUS, H1, PHOBOS, ILC, SuperB etc. The current general director of the Institute is Professor Marek Jeżabek. The Institute has personnel of around 500 people, including 41 full professors, over 30 associate professors and 147 doctors. Each year the Institute organizes and co-organizes about 20 international and national scientific conferences and workshops. One of the largest conferences organized recently by the Institute was the 2009 Europhysics Conference on High Energy Physics (EPS HEP), with the participation of about 700 scientists.