47 Cracow School of Theoretical Physics, June 14 – 22, 2007, Zakopane, Poland

NEW DEVELOPMENTS IN ASTROPHYSICS AND ASTROPARTICLE PHYSICS

PRELIMINARY INFORMATION FOR PARTICIPANTS

The Cracow School of Theoretical Physics is organized yearly since 1961. The main idea of the School consists in reviewing the important results in particle physics, both experimental and theoretical from last year or two. The talks are mainly theoretical, however, reviews of experimental results are also presented. Therefore, strictly speaking, it is not a school in a pure meaning of this word. Historically this formula of the School was dictated by the fact that it was much more difficult for the Polish scientists to travel abroad than to invite a few foreign speakers to formerly communist Poland. In present times of high specialization this formula surprisingly turns out to be still successful. It gives an opportunity of informal discussions and information exchange between scientists working in different areas of particle and theoretical physics.

Following previous Schools special seminars for young scientists are organized giving them opportunity to present results of their work in front of an international audience. **All invited speakers are kindly requested to encourage their younger collaborators to participate in the School**.

Lecture sessions will be arranged in the mornings and in the evenings. Afternoons are left free for discussions. One day during the School will be free and one can use this time either for hiking in the High Tatra Mountains or for a one day trip to the historic city of Cracow. The written version of the lectures will be published as a regular issue of Acta Physica Polonica B.

Theoretical lectures usually consist of two talks (45+5 min. each). The first talk should include an introduction aimed at the Ph.D. students, experimentalists and theorists working in other fields. Experimental lectures should focus on the physical results and interpretation, rather than on experimental setup and detector details. Some extra time may be, however, allotted on speaker's requests. Seminars (20-30 min. each) are meant for young scientists to present their original work.

The cost of the School for students is equivalent of Euro 400 (based on double room occupancy, including board and lodging, proceedings and participation in all School events) and Euro 300 for an accompanying person. Unfortunately no financial support can be granted. Students wishing to attend the School should contact the organizers before April

15, 2007 providing letter of recommendation from a senior scientist and list of publications. Students from countries for which entry visa to Poland is required will have to present a proof that their home institution will cover the costs of the School.

Tentative schedule:

- Thursday, June 14 : arrival, conference bus from Krakow to Zakopane (evening),
- Monday, June 18: free day[1], conference dinner,
- Friday, June 22: departure, conference bus to Krakow (after lunch[2]).

Zakopane (25 000 inhabitants) is a mountain resort situated at the footsteps of the Tatra mountains, approximately 100 km South from the historical city of Krakow. Krakow airport is now conveniently connected with many European cities. Its connection network expanded rapidly after Poland joined European Union and budget airlines including EasyJet, SkyEurope, CentralWings, Ryanair and others offer attractive prices for inner European flights. In Summer there are also direct flights to New York, Chicago and Tel Aviv.

More information will be soon available at: `th-www.if.uj.edu.pl/school/`

[1] tentative date

[2] tentatively, possible departure on June 21 in the evening.