43 Cracow School of Theoretical Physics
Zakopane, May 30 – June 9, 2003.

The Cracow School of Theoretical Physics has been organized yearly since 1961. The main idea of the School consists in reviewing the important results obtained in particle phenomenology within 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 the pure meaning of this word. It gives, however, an opportunity of informal discussions and information exchange between scientists working in different areas of particle physics. In present times of high specialization this formula of the School turned out to be quite successful. However, in contrast to previous Schools, we would like to allot more time for young scientists to present results of their own work. Lecture sessions will be arranged in the mornings and in the evenings there will be seminar sessions. Afternoons will be free for discussions. One day during the School will be free. The written version of the lectures will be published in the School Proceedings by Acta Physica Polonica B.

Theoretical lectures will consist of two talks (45+5 min. each). The first talk will include an introduction aimed at Ph.D. students, experimentalists and theoreticians working in other fields. Experimental lectures will consist of one talk (45+5 min.) and therefore will focus on the physical results and interpretation, rather than on experimental setup and detector details. Seminars (20 min. each) are ment for young scientists who should present their original work.

The topics of the 43 Cracow School of Theoretical Physics include:

- neutrino physics and astrophysics
- heavy ion physics
- deep inelastic scattering
- CP violation and heavy quarks
- Neural networks and new experiments
- SUSY and strings (review for nonexperts)