

SCHOOL ON THE FOUNDATIONS OF PHYSICAL THEORIES

7-11, October 2002, Department of Theoretical Physics, University of Trieste, Italy

In the massive growth and development of the contemporary knowledge concerning the physical world and its laws, a conceptual analysis of some of the main ideas and assumptions the whole framework of physics itself is built on appears to be more and more a necessity rather than an amusing intellectual game for armchair scientists. By this viewpoint, the investigations on the foundational significance of physical theories turn out to be relevant to the current scientific practice itself. The School on the Foundations of Physical Theories, to be held from 7 to 11, October 2002 at the Department of Theoretical Physics of the University of Trieste, Italy, is designed as to provide the formal and conceptual tools in order to rigorously deal with the main issues in the foundations of statistical mechanics, relativistic and quantum theories, and involves the main Italian scholars in the field. The ideal participants to the Schools are not only PhD students in the fields of physics, mathematics, logic, computer sciences and philosophy but all the scholars who are deeply concerned with the conceptual significance and implications of contemporary physics. In order to attend the School a simple application is to be sent within June, 15 by e-mail to fondamenti@ts.infn.it

The application must include a short curriculum vitae and (if applicable) a list of publications. All applicants will be notified within July, 15 about their admission to the School. No participation fee is requested. The participants will be accomodated - up to a maximum of 40 people - at the Guest House of the Trieste International Center of Theoretical Physics (ICTP): the price is 16-18 euro per day in a double room (32-36 euro for a single room).

DIRECTORS OF THE SCHOOL Prof. G.C. Ghirardi (*Università di Trieste*), Prof. N. Zanghì (*Università di Genova*), Prof. F. Laudisa (*Università di Milano-Bicocca*).

SCIENTIFIC SECRETERIAT (fondamenti@ts.infn.it) Dott. Angelo Bassi, Dott. Luca Marinatto, Dott. Emiliano Ippoliti.

MAIN LECTURERS G.C. Ghirardi, *University of Trieste* (foundations of quantum mechanics, dynamical reduction theories), N. Zanghì, *University of Genova* (foundations of statistical mechanics, Bohmian mechanics), F. Laudisa, *University of Milano-Bicocca* (philosophy of physics, quantum non-locality), M. Dorato, *University of Roma III* (philosophy of space and time), L. Lanz, *University of Milano* (foundations of quantum mechanics, nonequilibrium quantum processes).