

The Abdus Salam International Centre for Theoretical Physics (ICTP), in collaboration with the International School for Advanced Studies (SISSA) and the Italian Institute for Nuclear Physics (INFN), will hold a

# SUMMER SCHOOL ON PARTICLE PHYSICS

16 June - 4 July 2003

**Miramare, Trieste, Italy**

## Topics

- **STANDARD MODEL AND HIGGS PHYSICS**
- **QCD PHASE TRANSITIONS AND HEAVY ION COLLISIONS**
- **NEUTRINO PHYSICS**
- **FLAVOUR PHYSICS AND CP-VIOLATION**
- **NON-PERTURBATIVE METHODS IN FIELD THEORY**
- **SUPERSYMMETRY AND STATUS OF SUSY MODELS**
- **UNIFICATION AND FERMION MASSES**
- **PHYSICS OF EXTRA DIMENSIONS**
- **STRING PHENOMENOLOGY**
- **COSMOLOGY AND PARTICLE PHYSICS**
- **ASTROPARTICLE PHYSICS**
- **NON-COMMUTATIVE FIELD THEORIES**

## Participation

Scientists and students from all countries which are members of the United Nations, UNESCO or IAEA may attend the School. As it will be conducted in English, participants should have an adequate working knowledge of this language

As a rule, travel and subsistence expenses of the participants should be borne by the home institution. Every effort should be made by candidates to secure support for their fare (or at least half-fare). However, limited funds are available for some participants who are nationals of, and working in, a developing country, and who are not more than 45 years old. Such support is available only for those who attend the entire activity. Although the main purpose of the Centre is to help researchers from developing countries, students and post-doctoral scientists from advanced countries are also welcome to attend at their own expense. There is no registration fee for this activity.

The **application form** is obtainable from the ICTP WWW server: <http://agenda.ictp.trieste.it/smr.php?1508> (which will be constantly updated) or from the activity Secretariat. It should be completed and returned before **15 March 2003** to:

[varnier@ictp.trieste.it](mailto:varnier@ictp.trieste.it) (please save and send file attachments in RTF format)

or

**Summer School on Particle Physics**

(smr 1508 - c/o Ms. Janet Varnier)

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## Organizers

**M. LINDNER (TU, Munich)**

**A. MASIERO (INFN, Padova)**

**A. Yu. SMIRNOV (ICTP)**

## Scientific Secretary

**A. ÖZPINECI (ICTP)**

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## **DEADLINE**

**for requesting participation**

**15 March 2003**