

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 in COSMOLOGY and ASTROPARTICLE PHYSICS

28 June – 10 July 2004

Miramare, Trieste, Italy

Topics covered in the School traditionally include:

- ❖ **CMB**
- ❖ **DARK MATTER AND DARK ENERGY**
- ❖ **STRUCTURE FORMATION**
- ❖ **NUCLEOSYNTHESIS**
- ❖ **HIGH ENERGY COSMIC RAYS**
- ❖ **BLACK HOLES AND NEUTRON STARS**
- ❖ **BARYOGENESIS AND LEPTOGENESIS**
- ❖ **INFLATION**
- ❖ **UNIFICATION OF PARTICLE FORCES AND COSMOLOGY**
- ❖ **THE PHYSICS AND COSMOLOGY OF LARGE EXTRA DIMENSIONS**

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. Although the main purpose of the Centre is to help research workers from developing countries, through a programme of training activities within a framework of international cooperation, students and post-doctoral scientists from advanced countries are also welcome to attend.

As a rule, travel and subsistence expenses of the participants should be borne by the home institutions. 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. There is no registration fee to be paid.

The **Request for Participation Form** is obtainable from the ICTP WWW server: <http://agenda.ictp.trieste.it/smr.php?1568> (which will be constantly up-dated) or from the activity Secretariat. It should be completed and returned before **20 March 2004 to:**

Summer School in Cosmology and Astroparticle Physics
(smr 1568 - c/o Ms. Rosanna Sain)
the Abdus Salam International Centre for Theoretical Physics
Strada Costiera 11, 34014 Trieste, Italy

or

smr1568@ictp.trieste.it (please save and send file attachments in RTF format)

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DEADLINE
for requesting participation

20 March 2004

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