



The Abdus Salam
International Centre for Theoretical Physics


United Nations
Educational, Scientific
and Cultural Organization


International Atomic
Energy Agency

SUMMER SCHOOL on PARTICLE PHYSICS

11 - 22 June 2007

Miramare, Trieste, Italy

The purpose of the school is to give a detailed overview of the field of particle physics with its achievements and problems. The school will cover the most important and perspective areas where significant progress has been achieved recently.

TOPICS

- **Higgs and Electroweak Symmetry Breaking**
- **B Physics and CP Violation**
- **Fermion Masses and Unification**
- **Neutrino Physics**
- **LHC: Machine and Detectors**
- **Physics Potential of Future Colliders**
- **Supersymmetry: Status and Recent Developments**
- **Physics of Extra Dimensions**
- **Astroparticle Physics**

PARTICIPATION

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 **Application Form** is obtainable from the web page (which will be constantly up-dated) or from the activity Secretariat. It should be completed and returned before **15 March 2007** to:

Summer School on Particle Physics (SMR1847)
the Abdus Salam International Centre for Theoretical Physics
Strada Costiera 11, I- 34014 Trieste, Italy.

or

smr1847@ictp.it

(please save and send file attachments in RTF or PDF format)

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IN COLLABORATION WITH
**THE ITALIAN INSTITUTE
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(INFN)**

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DEADLINE
for requesting participation

15 March 2007