



# INMFWN

New Light in Cosmology  
from the CMB

**SCHOOL & WORKSHOP**  
22 - 26 July 2013      29 July - 2 August 2013

*Miramare, Trieste, Italy*

## **Workshop School:**

- **EARLY UNIVERSE**
- **CMB THEORY**
- **CMB EXPERIMENTS**
- **PLANCK PRODUCTS**
- **LENSING & ISW**
- **BIG SCIENCE FROM SMALL SCALES**

The purpose of the School is to provide the theoretical and computational tools to study the implications of the recent results from CMB experiments. It is intended for graduate students, as well as more senior non-expert researchers that are interested in these fields. The Workshop is devoted to the discussion of the experimental CMB results in all their aspects, their relation with other probes and the future prospects.

## **PARTICIPATION**

Scientists and students from all countries which are members of the United Nations, UNESCO or IAEA may attend the School and Workshop. 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 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. There is no registration fee to be paid.

## **HOW TO APPLY FOR PARTICIPATION:**

The application forms can be accessed at the School & Workshop website: <http://agenda.ictp.it/smr.php?2474>  
Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit the application forms.

## **SCHOOL & WORKSHOP SECRETARIAT:**

**Telephone: +39 040 2240 363 - Telefax: +39 040 2240 7363 - E-mail: [smr2474@ictp.it](mailto:smr2474@ictp.it)**  
**ICTP Home Page: <http://www.ictp.it/>**

IN COLLABORATION WITH

**THE ITALIAN INSTITUTE FOR  
NUCLEAR PHYSICS**

## **ORGANIZERS:**

**C. Baccigalupi** (SISSA)  
**P. Creminelli** (ICTP)  
**R. Sheth** (ICTP & UPenn)  
**A. Zacchei** (INAF - OATS)

## **LECTURERS:**

**C. Baccigalupi** (SISSA)  
**A. Jaffe** (Imperial College)  
**J. Lesgourgues** (CERN & EPFL)  
**A. Lewis** (Sussex University)  
**L. Senatore** (CERN & Stanford)  
**R. Stompor** (APC, Paris)  
**A. Zacchei** (INAF - OATS)

## **SCIENTIFIC SECRETARY:**

**D. Lopez Nacir** (ICTP)

**DEADLINE**  
*for requesting participation*

~~**15 April 2013**~~  
extended to  
**28 April 2013**