



International Centre for Theoretical Physics
South American Institute for Fundamental Research

São Paulo International Schools on Theoretical Physics



ICTP-Trieste/ICTP-SAIFR School and Workshop on Observational Cosmology

December 1 - 12, 2014

Instituto de Física Teórica - UNESP - São Paulo, Brazil

Cosmology has entered a precision era driven by large scale surveys of structures, such as the Sloan Digital Sky Survey and the Dark Energy Survey, and experiments designed to carefully measure the cosmic microwave background, such as the Planck satellite. This School will provide students with the necessary tools to use this multifold of data to test different cosmological models and determine their parameters. Pedagogical lectures providing the necessary theoretical background will be followed by hands-on lectures focusing on the different cosmological probes that are currently used. During the weekend of December 7-8, there will be a Workshop where recent research in this field will be presented.

Organizers

Alessandro Melchiorri (U. of Rome)
Paolo Creminelli (ICTP-Trieste)
Raul Abramo (IF-USP)
Ravi Sheth (ICTP-Trieste & U. of Pennsylvania)
Rogerio Rosenfeld (ICTP-SAIFR & IFT)

Lecturers

Alessandro Melchiorri (U. of Rome)	Philippe Brax (Saclay)
Anais Rassat (EPFL-Lausanne)	Ravi Sheth (ICTP-Trieste & U. of Pennsylvania)
Joe Zuntz (U. of Manchester)	Risa Wechsler (Stanford & SLAC)
Paolo Creminelli (ICTP-Trieste)	Scott Dodelson (Fermilab & U. of Chicago)

**The event is intended for advanced graduate students and researchers.
There is no registration fee and limited funds are available for travel and local expenses.**

The application deadline is **October 1, 2014**

The online application form and more information can be found at:

<http://www.ictp-saifr.org/observational>

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