

ICTP-Trieste/ICTP-SAIFR School on Open Problems in Cosmology

Instituto de Física Teórica - UNESP, São Paulo, Brasil

July 17 - 28, 2017



The aim of the school is to familiarize students with both the important theoretical questions left in cosmology and the observations that may shed light on them in the future. The first week will develop the theoretical background, while in the second week future observational probes are discussed. On Saturday, July 22, there will be a one-day workshop where recent work in the field will be presented. *There is no registration fee and limited funds are available for travel and local expenses.*

Organizers:

D. Baumann (U. Amsterdam), **P. Creminelli** (ICTP-Trieste), **D. Green** (UC Berkeley),
R. Porto (ICTP-SAIFR), **M. Zaldarriaga** (IAS Princeton)

Lecturers:

First week

Introduction to Primordial Physics

Daniel Baumann (U. Amsterdam) & **Paolo Creminelli** (ICTP-Trieste)

Introduction to CMB Theory

Raphael Flauger (UC San Diego)

Introduction to LSS: Theory and Simulations

Oliver Hahn (Observatoire de la Côte d'Azur/U. Nice) & **Rafael Porto** (ICTP-SAIFR)

Second week

Introduction to CMB observations

Julien Lesgourgues (U. Aachen)

Introduction to LSS observations

Will Percival (U. Portsmouth)

Advanced topics for the study of LSS

Matias Zaldarriaga (IAS Princeton)



ICTP-SAIFR Steering Committee:

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ICTP director
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UNESP rector
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The application deadline is May 19, 2017

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

www.ictp-saifr.org/cosmology17