

School on Dark Matter

Instituto de Física Teórica - UNESP, São Paulo, Brasil

June 27 - July 9, 2016



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Lectures:

Evidence of Dark Matter from Cosmology and Astrophysics

Pasquale D. Serpico (LAPTh - Annecy-le-Vieux, France)

Building beyond the Standard Model (Dark Matter models)

Neal Weiner* (New York University, USA)

Collider tests of Dark Matter models

Tim Tait (University of California - Irvine, USA)

Formation of cosmic structures

Ravi Sheth (University of Pennsylvania - Philadelphia, USA)

Direct and Indirect detection of Dark Matter

Nassim Bozorgnia & Francesca Calore (GRAPPA - Amsterdam, The Netherlands)

Dark Matter in astrophysical structures

Miguel Pato (OKC - Stockholm, Sweden)

Organizers:

G. Bertone (GRAPPA), G. Gelmini (UCLA), F. Iocco (IFT & ICTP-SAIFR), E. Pontón (IFT & ICTP-SAIFR)

The school aims at making students familiar with all the aspects - astrophysical, cosmological, and particle physics - of the Dark Matter problem, both on the observational/experimental, and theoretical side. Students will be trained both on the theory part, and with practical sessions in order to be able to participate to active research projects in the field by the end of the school.

There is no registration fee and limited funds are available for local and travel support.

* to be confirmed

The application deadline is April 22, 2016

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

www.ictp-saifr.org/darkmatter2016