

# 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)

This school will include lectures on all aspects - astrophysical, cosmological, and particle physics - of the Dark Matter problem from both the observational/experimental and theoretical viewpoints. Students will receive training in both Dark Matter theory and in practical sessions, and will be ready to participate in research projects in this 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](http://www.ictp-saifr.org/darkmatter2016)**