



**ICTP
SAIFR**

International Centre for Theoretical Physics
South American Institute for Fundamental Research

Campus of IFT-UNESP - São Paulo, Brasil

School on DM & Nu 2018

dark matter
neutrino



School on Dark Matter and Neutrino Detection

July 23 - August 3, 2018

São Paulo, Brazil

ICTP-SAIFR/IFT-UNESP

Dark Matter and Neutrino Physics are rapidly growing and interconnected fields with several large facilities operating or in construction and with many theoretical and experimental challenges.

The school aims to provide participants with a broad overview of these subjects, sharing the excitement about theory and experiment, and involving new generations in the endeavour to unveil the new physics behind these topics.

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

Week 1: Lectures, Discussion and Activities

Main courses:

Dark Matter (Stefano Profumo, UCSC/USA)

Neutrinos (Andre de Gouvea, Northwestern/USA)

Week 2: Lectures on Detection Principles and Experiments, Experimental Work

Main courses:

Dark Matter Detection

(Enectali Figueroa-Feliciano, Northwestern/USA)

Neutrino Detection (Mark Thomson, Cambridge/UK, TBC)

Application deadline: May 11, 2018

Online application form and more information:

www.ictp-saifr.org/DMneutrino18



ORGANIZERS

Carla Bonifazi (IF-UFRJ, co-chair)

Edivaldo Moura Santos (USP)

Fabio Iocco (ICTP-SAIFR/IFT-UNESP)

Ricardo Gomes (UFG)

Martin Makler (CBPF, chair)

ICTP-SAIFR STEERING COMMITTEE

Fernando Quevedo (chair) - ICTP director
Sandro Valentini - UNESP rector
Carlos Brito Cruz - FAPESP scientific director
Jacob Palis - Brazilian Academy of Sciences
Juan Maldacena - Representing South America

ICTP-SAIFR SCIENTIFIC COUNCIL

Peter Goddard (chair) - IAS, Princeton
Rosario Fazio - ICTP representative
Marcelo Yamashita - IFT-UNESP director
Marcel Clerc - U. de Chile
André de Gouvea - Northwestern U.
Eduardo Fradkin - U. Illinois
Belita Kollier - UFRJ, Rio de Janeiro
Luis Lohner - Perimeter I, Waterloo
Gabriel Mindlin - U. de Buenos Aires
Matias Zaldarriaga - IAS, Princeton

ICTP-SAIFR STAFF

Nathan Berkovits - Director
Rogerio Rosenfeld - Vice director
Pedro Vieira - Perimeter-SAIFR Coordinator
Jandira Oliveira - Executive manager
Vanessa Ferreira - Executive secretary
Lucas Sanches - Computer systems manager
Lilia Faria - Financial Manager