



International Neutrino Summer* School 2015

Instituto de Física Teórica - UNESP, São Paulo, Brasil

August 17 - 28, 2015

Neutrinos are important in many areas of modern physics. They provide the best evidence for physics beyond the Standard Model, and are proving to be an invaluable tool in astrophysics and cosmology.

This school will deal with all aspects of neutrino physics and lectures will include experimental, phenomenological and theoretical developments. The target audience consists of young graduate or postdoctoral researchers in both theory and experiment. Additionally, there will be opportunities for students to work in groups addressing some of the main topics of neutrino physics. This school will be preceded by the NuFact workshop in Rio de Janeiro. *There is no registration fee and limited funds are available for local and travel support of participants.*

Local Organizers:

Ricardo Gomes (UFG), **Ernesto Kemp** (IFGW-UNICAMP), **Hélio da Motta** (CBPF), **Hiroshi Nunokawa** (PUC-RJ), **Orlando Peres** (IFGW-UNICAMP), **Rogério Rosenfeld**** (IFT-UNESP/ ICTP-SAIFR)

Lecturers:

Standard Model and Neutrino Masses: **André de Gouvêa** (Northwestern University)
Neutrino Phenomenology: **Boris Kayser** (Fermilab)
Cosmology and Astrophysics: **Pedro Holanda** (IFGW-UNICAMP)
Direct Mass Measurements: **Susanne Mertens** (LBNL)
Accelerator Neutrinos: **Kendall Mahn** (Michigan State University)
Neutrino Cross Sections: **Kevin McFarland** (University of Rochester)
Neutrino Detection: **Kate Scholberg** (Duke University)
Solar, Reactor & Atmospheric: **Yifang Wang** (IHEP, Beijing)
Public Lecture: **Marcelo Guzzo** (IFGW-UNICAMP)

International Advisory Committee:

João dos Anjos (CBPF/ON), **Marcela Carena** (University of Chicago/Fermilab), **Carlos Escobar** (UNICAMP/Fermilab), **Deborah Harris****(Fermilab), **Boris Kayser** (Fermilab), **Kevin McFarland** (University of Rochester), **Jorge Morfín** (Fermilab), **Paul Soler** (University of Glasgow), **Jim Strait** (Fermilab), **Wei Wang** (Sun Yat-sen University, China), **Renata Zukanovich Funchal** (University of São Paulo), **Jean Tran Thanh Van** (ICISE, Vietnam)

*Northern summer **Chair



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The application deadline is June 12, 2015

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

www.ictp-saifr.org/neutrino