

Campus of IFT-UNESP - São Paulo, Brasil

September 12-23, 2022

JOINT ICTP-SAIFR/MITP SUMMER SCHOOL ON PARTICLE PHYSICS BEYOND THE STANDARD MODEL



CSABA CSAKI
Cornell U., USA
Naturalness-motivated BSM



TILMAN PLEHN
U. of Heidelberg, Germany
Tools at the Frontiers of BSM: future colliders and machine learning



JAY M. HUBISZ
Syracuse U., USA
Cosmology



RAFFAELE TITO D'AGNOLO
IPHT-Saclay, France
The light and feeble frontier: light DM, Feebly Interacting Particles, Axion-like Particles and other beasts



Yael SHADMI
Israel I. of Technology – Technion, Israel
Tools at the Frontiers of BSM: amplitudes



GILAD PEREZ
Weizmann I., Israel
Frontiers in non-natural BSM

This first joint school of the ICTP South American Institute for Fundamental Research (ICTP-SAIFR) and the Mainz Institute of Theoretical Physics (MITP) will provide in-depth lectures in advanced topics in theoretical particle physics, covering important areas where recent progress has been made in the field. This activity is aimed at advanced graduate students, and funding for travel and local expenses is available for accepted candidates from both Latin America and Europe.

There is no registration fee.

Application deadline: July 3, 2022

Online application and more information:
www.ictp-saifr.org/bsmp2022/

ORGANIZERS

Gustavo Burdman (IF-USP, Brazil)
Felix Yu (MITP, Germany)
Matthias Neubert (MITP, Germany)
Rogério Rosenfeld (IFT-UNESP/ICTP-SAIFR)

ICTP-SAIFR STEERING COMMITTEE
 Atish Dabholkar - ICTP director
 Pasqual Barretti - UNESP rector
 Luiz Eugênio Mello - FAPESP scientific director
 Hugo Aquilani - President-Director of Serrapilheira I.
 Luiz Davidovich - President of Brazilian Acad. of Science
 Juan Maldacena - Representing South America

ICTP-SAIFR SCIENTIFIC COUNCIL
 Michael Green (chair) - U. of Cambridge
 Rosario Fazio - ICTP representative
 Alexandre Reily Rocha - IFT-UNESP director
 William Bialek - Princeton U.
 Eduardo Fradkin - U. Illinois
 Gabriela Gonzalez - LIGO, Louisiana State U.
 André de Gouvêa - Northwestern U.
 Karen Hallberg - Balseiro Inst., Bariloche
 Luis Lehner - Perimeter Inst., Waterloo
 Gabriel Mindlin - Univ. de Buenos Aires

ICTP-SAIFR STAFF
 Nathan Berkovits - Director
 Rogério Rosenfeld - Vice-Director
 Pedro Vieira - Perimeter-SAIFR Coordinator
 Jandira Oliveira - Executive Manager
 Humberto Neto - Executive Secretary
 Lilia Faria - Financial Manager
 Malena Stariolo - Science Journalist
 Tiago Codinhoto - Technical Assistant