

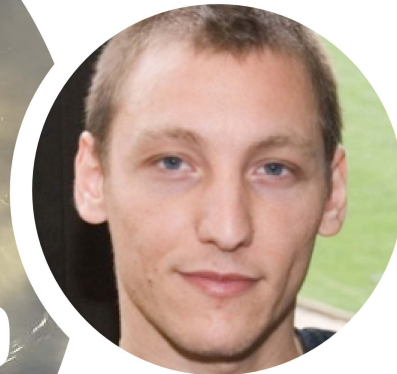


ICTP | International Centre for Theoretical Physics
SAIFR | South American Institute for Fundamental Research



March 5-9, 2018
IFT-UNESP, São Paulo - Brazil

MINICOURSE ON GRAVITATIONAL WAVES FOR FIELD THEORISTS



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This course will provide an introduction to the new field of gravitational wave (GW) science oriented towards theory students. The first lecture will be a generic overview of the present and future of the field. During the remaining lectures we will illustrate the basic ideas and concepts with hands-on calculations. We will emphasize the analytic side, as well as the cutting-edge new tools recently developed — based on field theoretical ideas that originated in particle physics — to construct the most accurate template banks. We conclude with an outlook for future experiments, the type of foundational questions that we may be able to address through GW precision data, and the challenges ahead.

There will be no application form for this activity and everyone is welcome to participate.

More information: ictp-saifr.org/GWFT2018