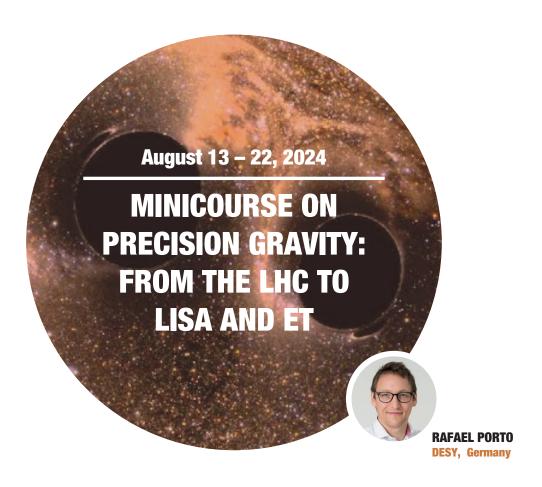
ICTP International Centre for Theoretical Physics SAIFR South American Institute for Fundamental Research

Campus of IFT-UNESP – São Paulo, Brazil



High-Accuracy waveform models are of paramount importance in the new era of Gravitational Wave astronomy. These lectures will cover recent advances in the study of the two-body problem in general relativity using ideas from particle physics - such as effective field theory methods combined with state-of-the-art tools borrowed from quantum field theory calculations in collider physics.

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