



ICTS Astrophysical Relativity Seminar

Title : Modeling the Merger in Beyond-GR Waveforms

Speaker : Gabriel Bonilla (California State University, Fullerton, USA)

Date : Friday, September 24, 2021

Time : 09:30 am (IST)

Abstract : The parameterized post-Einsteinian framework incorporates beyond-GR effects into inspiral wave-form models. We extend the existing model into the merger-ringdown regime. The modification introduced here adds a single degree of freedom that corresponds to a change in the binary coalescence time. Other merger properties remain as predicted by GR. We discuss parameter estimation with this model, and how it can be used to extract information from beyond-GR waveforms.

Venue : Please click on the below link to join the meeting

<https://us06web.zoom.us/j/83290105525?pwd=cVFtZVpmUkZlZlQ3YvVS9LckVRaDhEdz09>

Meeting ID: 832 9010 5525

Passcode: 416767