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## Exploring binary dynamics and radiations from binaries in deformed Kerr geometries

In this talk we will explore the late inspiral and then the transition regime to the plunge phase of a secondary, less massive compact object into a more massive deformed Kerr black hole. We will show how one can find fluxes such as the energy and the angular momentum and henceforth use them to infer about their detectability from a GW standpoint. We also explore how the different deviation parameters play an important role in binary dynamics for such a particular scenario.

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