

Third Gravi-Gamma Workshop: The multimessenger view of the black hole life cycle



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Coalescence of black hole-neutron star binaries

Wednesday, 5 October 2022 15:00 (30 minutes)

Black hole-neutron star binaries are among the least understood population of compact binary coalescences. LIGO-Virgo O3 reported detection of a black hole-neutron star binary, GW200115, along with some candidates. Future observations will definitely deliver a lot of black hole-neutron star binaries, some of which might be accompanied by electromagnetic counterparts. In this talk, I will review the coalescence process and observable signatures of black hole-neutron star binaries, addressing the difference with other types of compact binary coalescences.

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