

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



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Multimessenger opportunities with massive black hole binaries

Friday, 7 October 2022 09:30 (30 minutes)

Massive black hole binaries (MBHBs) are expected to be the loudest gravitational wave (GW) sources in the milli-Hz window which will be probed by the future Laser Interferometer Space Antenna. MBHBs are also known to radiate at large luminosities, opening the possibility of future multimessenger observations of MBHBs. I will describe the dynamics of MBHBs, their expected GW and electromagnetic signals and prospects for multimessenger astronomy in the next decade.

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