## Multimessenger synergies between LISA and Athena

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In ~2034 LISA will be able to detect the gravitational waves (GWs) from the coalescence of massive black hole binaries (MBHBs) from 1e4 to 1e7 solar mass up to z~10. If the merger happens in a wet environment, copious amounts of radiation across the entire electromagnetic (EM) spectrum is expected to be produced by the accretion of the gas onto the binary. If LISA locates the MBHB merger within an error box of sub-squared degree accuracy, Athena can be pointed to identify the host galaxy and detect the EM counterpart to the GW signal, paving the way to test the nature of gas in a rapidly changing space-time and to perform cosmology and General Relativity experiments. In this talk I present recent results on the expected synergies between LISA and Athena