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## Identifying the origin of the GWB with anisotropy searches

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Several Pulsar Timing Array collaborations have recently found evidence for the presence of a Gravitational Wave Background (GWB) at nHz frequencies. This background could either be sourced by the overlapping GW emission of a population of supermassive black hole binaries or by cosmological sources generating GW in the early Universe. In this talk, I will discuss the prospects of discriminating between these two possibilities by looking for GWB anisotropies.

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**Session Classification:** Dark matter, astroparticles and gravitational waves