

# A Tale of Two Black Hole Populations

*Tuesday 25 March 2025 10:30 (15 minutes)*

I will discuss our recent analysis of the LIGO GW catalogue that suggests two separate, unmixed, BH populations, potentially with different spatial distributions or origins. I will also discuss suggestive results from a recent analysis of microlensing towards the galactic bulge.

**Authors:** Dr HO, Ming-Feng (U Michigan); Dr PERKINS, Scott (LLNL); BIRD, Simeon

**Co-authors:** Prof. LU, Jessica (UC Berkeley); Dr GOLOVICH, Nathan (LLNL); Dr MCGILL, Peter (LLNL); Dr DAWSON, William (LLNL)

**Presenter:** BIRD, Simeon

**Session Classification:** SESSION 6: Astrophysics and Cosmology-2