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## Using shadow observations to distinguish black holes from ultra-compact objects

*Wednesday 3 September 2025 15:00 (20 minutes)*

The recent detections from the EHT Collaboration of the shadows generated by the supermassive objects at the heart of M87 and Milky Way galaxies has prompted a new era in theoretical strong-field astrophysics. In this talk I will discuss the theoretical and basis of this new observational window and its latent power for distinguishing between canonical black holes, regular black holes, and ultra-compact objects such as boson stars, wormholes, and more exotic candidates.

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