Phenomenological Properties of EMD Black Hole Binaries

Tuesday, 17 September 2024 16:40 (20 minutes)

Einstein-Maxwell-Dilaton-Black-Holes (EMDBHs) are a black hole solution of Einstein's equation of General Relativity. EMDBH's have electromagnetic charge (here non-spinning) and a stable scalar field configuration centred on the black hole due to the dilaton coupling in the action between the scalar field and electromagnetism. In this talk we will discuss various phenomenological properties of these compact objects and their binaries and collisions.

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