Contribution ID: **21** Type: **not specified**

# Explorations into Charged Black Holes Collisions

*Thursday, 24 June 2021 11:30 (10 minutes)*

One of the most interesting and staggering solutions of the Einstein equation is the black hole. In recent years, numerical relativity has experienced a tremendous growth, generating a wealth of information about astrophysical black hole binaries; however, few studies explore the physics of charged black hole binaries. The goal of this thesis is to study, numerically, the dynamics of such systems, from head-on collisions to orbiting binaries and advance our understanding of strong-field gravitation and electromagnetism in this largely unexplored territory.

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