Workshop on Black Hole Rotation Curves

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Organizing Institution: IF-BUAP

Organizing Committee: Roberto Cartas-Fuentevilla, Alberto Escalante-Hernández, Alfredo Herrera-Aguilar.

Wednesday and Thursday   14-15/09/2022

From 16:00 till 18:30 hrs (Mexican Central Time)

Venue: Room 203, IF3 Building

Abstract

In this talk we shall briefly review a general relativistic formalism for studying black hole rotation curves. This relativistic method allows us to express the black hole parameters in terms of observable quantities. We shall also point out some open problems of this approach towards its application to real astrophysical systems like the S star system orbiting SgrA*, a black hole hosted at the center of our Milky Way.