

VII Leopoldo García-Colín Mexican Meeting on Mathematical and Experimental Physics



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FRANCISCO GUZMÁN: Estimates of black hole parameters in astrophysical systems

Friday, 21 February 2020 16:00 (30 minutes)

We describe the inverse method approach to determine parameters of astrophysical systems involving black holes. In the first case we review the reconstruction of binary black hole parameters out of the gravitational wave signal. In a second case we estimate parameters of a black hole out of the image observed, produced by matter around the black hole. In the two scenarios we describe the state of the art in the solution of the direct problem and the consequent complexity of the future challenges of the resulting inverse problems.

Session Classification: SHORT TALKS

Track Classification: SYMPOSIUM ON BLACK HOLES AND GRAVITATIONAL WAVES