

ΓΕΝΙΚΟ ΣΕΜΙΝΑΡΙΟ ΤΜΗΜΑΤΟΣ ΦΥΣΙΚΗΣ

PHYSICS COLLOQUIUM

Thursday, 18 October 2018

17:00 - 18:00

3rd Floor Seminar Room

"Testing general relativity with radio astronomy"

Prof. Michael Kramer

Max-Planck-Institut für Radioastronomie, Bonn, Germany
& Dept. of Astrophysics, University of Manchester, UK

Abstract

We are living in a golden era for testing gravitational physics with precision experiments. This talk will present new results using a variety of tests with radio pulsars. These results will be placed in context of other ongoing experiments, such as LIGO or the ERC Black Hole Cam project which aims to take a picture of a black hole. I will demonstrate how pulsars continue to provide unique constraints on gravity and fundamental physics in general, and how they complement other methods.