



**ΚΟΙΝΟ ΣΕΜΙΝΑΡΙΟ ΚΕΝΤΡΟΥ ΚΒΑΝΤΙΚΗΣ ΠΟΛΥΠΛΟΚΟΤΗΤΑΣ ΚΑΙ
ΝΑΝΟΤΕΧΝΟΛΟΓΙΑΣ & ΚΕΝΤΡΟΥ ΘΕΩΡΗΤΙΚΗΣ ΦΥΣΙΚΗΣ ΚΡΗΤΗΣ /
JOINT CCQCN -CCTP SEMINAR**

Thursday, 19 February 2015

15:30-16:30

2nd Floor Seminar Room of the physics department

Demystifying the numerical tools in holography

Dr. Daniel Fernandez

Max Planck Institute for Physics, Munich

Abstract

The holographic duality is now understood to be a powerful tool for studying strongly interacting systems, and to a great extent this is motivated from experimental data. In order to bring this paradigm forward with more accurate results, the focus should go into finding efficient ways to solve the classical partial differential equations in the gravity side. I will comment on several open problems for which this challenge becomes unavoidable, while reviewing a few key ingredients which are necessary for the numerical techniques.

