

# Coloquio IFIC:

TODD LO QUE SIEMPRE QUISO

SABER SOBRE TEORIA DE CUERDAS

Y NUNCA SE ATREVIO A PREGUNTAR

The gauge/gravity correspondence:  
linking General Relativity and  
Quantum Field Theory

Alfonso Vázquez Ramallo

Universidad de Santiago de Compostela

The gauge/gravity correspondence is a technique which allows the study of strongly interacting quantum systems by using higher-dimensional gravity.

This correspondence (also known as “holographic duality” or “AdS/CFT correspondence”) has led to new insights into subjects such as gauge theories, condensed matter physics, hydrodynamics and quantum information theory.

I will review in simple terms the present status of the correspondence, as well as its origin in the context of string theory.



Viernes, 11 de abril. 12:30 horas. Sala Darwin. Aulario Interfacultativo, Campus de Burjassot