

SEMINÁRIO DE ANÁLISE, EQUAÇÕES DIFERENCIAIS E FÍSICA MATEMÁTICA

**Dia 27 de outubro (quinta-feira), às 13h30, FCUL, C6 - Piso 2,
sala 6.2.33**

Quasi-invariant gaussian measures for the nonlinear wave equation

**Nikolay Tzvetkov
(Univ. de Cergy-Pontoise)**

Abstract:

We will show that a natural class of gaussian measures living on Sobolev spaces of varying regularity are quasi-invariant under the flow of the two dimensional cubic defocusing wave equation. For that purpose, we introduce renormalised energies and we establish the associated energy estimates. This is a joint work with Tadahiro Oh (Edinburg University).

Seminário financiado por Fundos Nacionais através da FCT – Fundação para a Ciência e a Tecnologia