



Applied and Computational Mathematics Seminar

Title: Modified dispersion relations in semiclassical gravity

Speaker: Dr. Massimiliano Rinaldi (Bologna)

Date: Thu 16th November 2006 at 2:15PM

Location: Mathematical Sciences Seminar Room

Abstract: Modified dispersion relations (MDR) are often advocated as a possible sign of new physics at the Planck scale. I shall present the state of the art and the main motivations which lead to the study of quantum observables in the presence of MDR. In particular, I will focus the attention on black holes and analogue models of gravity.

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