

Courant Institute of Mathematical Sciences
Mathematics Colloquium
March 21, 2011

Speaker: **Claude Viterbo**

Title: "Commuting Hamiltonians and symplectic topology"

Abstract

"We shall discuss the following question: given sequences of functions H_n, G_n on a symplectic manifold, converging for the C^0 topology to H, G and such that their Poisson bracket tends to K , in what sense do the Poisson brackets of F and G equal K . We shall give examples, counter-examples, and variations on this question."