COLLOQUIUM

UNIVERSITY OF PITTSBURGH

FRIDAY, OCTOBER 25, 2013

704 THACKERAY HALL

3:30 P.M.

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)

RECENT DEVELOPMENTS ON CERTAIN DISPERSIVE EQUATIONS AS INFINITE DIMENSIONAL HAMILTONIAN SYSTEMS

ABSTRACT: In this talk I will present some recent developments in the study of dispersive differential equations on compact manifolds that may also have the property of being infinite dimensional Hamiltonian systems. I will talk about Strichartz estimates, weak turbulence, Gibbs measures, symplectic structures and non-squeezing theorems. A list of open problems will conclude the talk.

Refreshments served at 3:00 p.m.
in the Math Dept. COMMON ROOM, Thackeray 705