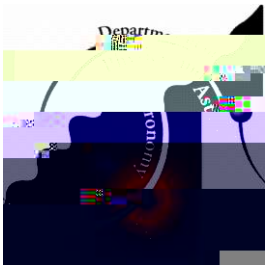

PHYSICS AND ASTRONOMY

SEMINAR

Dr. Kristan Jensen

Stony Brook University

Dissipative hydrodynamics from effective (and topological) field theory

Abstract

While effective field theory in the vacuum is a well-established subject, the low-energy description of mixed states is far less understood. In this talk I will discuss recent progress in the effective description of mixed states of quantum matter, focusing largely on thermal states for which the low-energy description is related to fluid dynamics. If I have time, Iôll comment on potential implications for black holes physics and unitary evolution viz a viz the AdS/CFT correspondence.

Thursday, December 10, 2015
11:00 a.m.
Elliott Building
Room 160