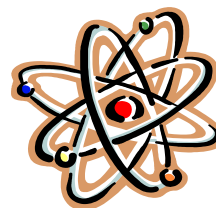


Seminars



PHYSICS COLLOQUIUM

Christopher Jarzynski

University of Maryland

“Nonequilibrium thermodynamics at the microscale”

Monday, February 11, 2008

4:00 PM, Ronald Geballe Auditorium, Rm. A-102

February 11-15, 2008

Abstract: What do the laws of thermodynamics look like, when applied to microscopic systems such as optically trapped colloids, single molecules manipulated with laser tweezers, and biomolecular machines? Over the past decade or so there has been considerable interest and progress in addressing this question. Christopher will give an overview of some of these developments, with a focus on results pertaining to fluctuations far from thermal equilibrium, and he will argue that these developments have refined our understanding of the second law of thermodynamics.

Tuesday, February 12

Particle Theory Seminar

2:30 PM, Rm. C-421, PAT

Pavlos Vranas, Lawrence Livermore National Laboratory

“QCD thermodynamics and the electronic quark”

Condensed Matter Seminar

4:00 PM, Rm. C-421, PAT

Wenyong Shou, Fred Hutchinson Cancer Research Center

“Collaborate or Collapse: Experimental and Mathematical Analysis of a Synthetic Cooperative System”

Thursday, February 14

Astronomy Colloquium

4:00 PM, Rm. A-102, PAA

David Koo, UC Santa Cruz

“Results from the DEEP2 and AEGIS surveys”