University of Pennsylvania Department of Physics and Astronomy / 209 South 33rd Street / Philadelphia, PA 19104-6396 / 215-898-8141 / www.physics.upenn.edu

PHYSICS and ASTRONOMY

presents

the 4th Walter Selove Lectureship in Experimental Physics

STEVEN CHU

Professor of Physics and of Applied Physics,
Stanford University
Recipient of the Nobel Prize for Physics, 1997

Steven Chu is currently the Theodore and Frances Geballe Professor of Humanities and Sciences at Stanford. His research interests are exceptionally broad. He began his career at Berkeley searching for parity non-conserving effects in atomic transitions. Soon thereafter at Bell Laboratories (1978-87), he made spectacular contributions to atomic and optical physics including precision tests of quantum electrodynamics in leptonic atoms and the laser-cooling and trapping of atoms. He has continued this train of research while at Stanford (since 1987), developing atom interferometers and atomic fountain clocks for precision metrology. Remarkably, during this same time period he has made pioneering contributions in condensed matter physics and biophysics with his optical manipulation and visualization of DNA. In addition to the Nobel Prize, Steve has received many honors. He is a member of the National Academy of Sciences, and was the 1994 winner of the Arthur Schawlaw Prize for Laser Science.

Watching Enzymes Act, Unfold and Refold, One Molecule at a Time

Tuesday, February 29th, 2000
4:00PM
LRSM Auditorium, 3231 Walnut Street

New Stuff With Ultracold Atoms

Wednesday, March 1st, 2000
4:00PM
David Rittenhouse Laboratory, RmA1
209 South 33rd Street

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COLLOQUIUM

for further information, contact Arjun Yodh: yodh@physics.upenn.edu