



Physics Department - University of South Alabama
Presents Colloquium Speaker



Dr. Michael Turner

Director of the Kavli Institute for Cosmological Physics at the University of Chicago

Thursday, April 14, 2011
3:00-4:00 P.M., ILB 250



Kavli Institute
for Cosmological Physics
AT THE UNIVERSITY OF CHICAGO

Cosmic Acceleration and Dark Energy

A little over ten years ago two groups studying distant supernovae discovered that the expansion of the Universe is speeding up and not slowing down, and in December 1998 Science Magazine picked Cosmic Acceleration as the Scientific Breakthrough of the year. This remarkable discovery provided the final, missing piece in today's consensus cosmological model as well as posing the most profound mystery in all of science. Two possible explanations for cosmic acceleration are the repulsive gravity of a mysterious and very elastic new form of energy ("dark energy") or new gravitational physics. Ten years after the discovery, the evidence for cosmic acceleration has gotten stronger and the mystery has deepened. In this talk I will review the present status of the mystery of cosmic acceleration.

Refreshments are served at 2:45 P.M.

Host: Dr. R. Godang