



## WEEKLY CALENDAR

Physics & Astronomy

202 Nicholson Hall



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January 24, 2005

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### *Chancellor's Distinguished Lectureship Series*

**"The Dark Side of the Universe: Beyond the Stars and the Starstuff We Are Made Of"**

***Dr. Michael Turner***

Department of Astronomy and Astrophysics

University of Chicago

Wednesday, January 26, 2005 at 5:00 PM in Room 130 Nicholson Hall

Host: Dr. Jorge Pullin

Reception immediately following at the Faculty Club

#### Abstract

Michael Turner's research focuses on the application of modern ideas in elementary-particle theory to cosmology and astrophysics. His current areas of research include: big-bang nucleosynthesis in era of precision cosmology; determining the nature of the dark energy that is causing the Universe to accelerate; dark matter and dark-matter detection; and dark matter and the formation of structure in the Universe.

### **GENERAL SEMINAR**

***"Cosmic Acceleration: New Gravitational  
Physics or Mysterious Dark Energy"***

***Dr. Michael Turner***

*University of Chicago*

Thursday, January 27, 2005 at 3:40 PM in Room 109 Nicholson Hall

Host: Dr. Jorge Pullin

(Refreshments served at 3:15 p.m. in Room 229 Nicholson)

#### Abstract

The riddle of the speed up of the expansion of the Universe is one of the most profound puzzles in all of science. It touches upon a number of deep questions: what caused inflation, is there a boson for every fermion, what is our cosmic destiny, how will Einstein's theory be extended to include quantum mechanics, and what has repulsive gravity? I will summarize where the quest to solve this puzzle stands.

*(continued on next page)*