



SACRAMENTO STATE

Department of Physics & Astronomy Fall 2011

## ***Physics Colloquium Series***

# ***Exploring the Beginning of the Universe***

In the past few decades Cosmological observations have allowed us to explore the history of our universe and the nature of the Big Bang with greater and greater precision. They strongly suggest that our Universe started with a period of cosmic acceleration that we call Inflation. I will describe what we currently know about this initial epoch and how, thanks to the upcoming experiments, our knowledge about it might improve drastically, revealing us the dynamics that lead to it and making us extremely confident about the existence of such an epoch at the beginning of our Universe.

***Leonardo Senatore***

***Stanford University,  
Department of Physics***

**Thursday, November 17, 2011**

**4:00-5:20 PM - MND 1015**

**Open & Free to all Students, Faculty & Public**