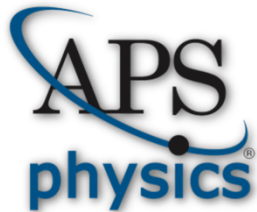




Department of Physics

PUBLIC TALK



Chapters Presents:

THE ACCELERATING EXPANDING UNIVERSE: DARK MATTER, DARK ENERGY, AND EINSTEIN'S COSMOLOGICAL CONSTANT

When: Thursday, January 26 @ 6:00PM

Where: In-person, PSB 160



Dark energy is the leading candidate for the mechanism that is responsible for causing the cosmological expansion to accelerate. Bharat Ratra will describe the astronomical data which persuade cosmologists that (as yet undetected) dark energy and dark matter are by far the main components of the energy budget of the universe at the present time. He will review how these observations have led to the development of a quantitative "standard" model of cosmology that describes the evolution of the universe from an early epoch of inflation to the complex hierarchy of structure seen today. He will also discuss the basic physics, and the history of ideas, on which this model is based.

Dr. Bharat Ratra

Distinguished Professor

Cosmology and Astroparticle Physics

KANSAS STATE
UNIVERSITY