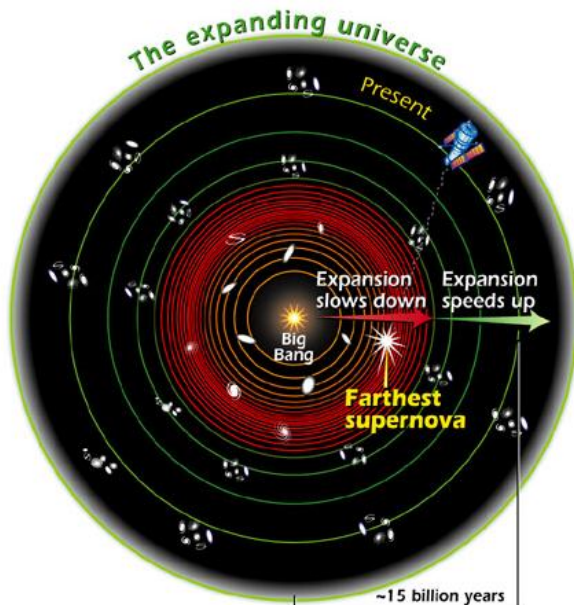




COLLOQUIUM



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Introduction to Dark Energy

Abstract

In 1998 the physics community and the world was surprised by the observations that the *rate* of expansion of the Universe was speeding up rather than slowing down. This unexpected result is explained by postulating the existence of dark energy - a homogeneous "fluid" which exerts negative pressure and thus leads to gravitational repulsion at cosmological distances. More over this mysterious dark energy appears to comprised ~75% of the material of the Universe. This talk will give a basic introduction to the evidence for dark energy and review a sampling of the many different models proposed for the nature of dark energy.

3-4 p.m., Friday, Feb. 10th, 2012 McLane Hall 162
Refreshments will be served. All welcome!