



Colloquium Notice

Fred Cadieu

Queens College of CUNY

The accelerated expansion of the universe

When two groups of physicists started to use bright supernova explosions to extend distance measurements to far away objects, they came to the very surprising conclusion that these supernovae were fainter than expected. The only explanation seemed to be that some time ago the rate of expansion of the universe had started to accelerate! This interpretation is based on a confluence of results from many recent Nobel prizes in physics which has led to the field of high precision cosmology. Certain aspects of Type 1A supernova explosions that have allowed these to act as standard candles for extending distance measurements billions of years into the past will be discussed. The most recent results, which revolutionized our current understanding of the universe, will be shown to be consistent with the Big Bang Model.

Monday

April 16, 2012

Starts at 12:15 PM

Coffee at 12:00 PM

Physics Conference Room, SB B326