

High Energy Physics Seminar

Department of Physics

Date: Tuesday, March 17, 2015

“Issues With Big Bang Cosmology and Inflation”

Dr. Dan Green

Fermilab

Abstract: *Big Bang cosmology has enjoyed many successes, such as predicting nucleosynthesis and relative abundances of light nuclei. However, there are fundamental problems in this model which are solvable by postulating a very rapid rate of Universal expansion at very early times – inflation.*

Biography: *Dan Green received his Ph.D. from the University of Rochester in 1969. He held a post-doctoral position at Stony Brook from 1969 to 1972 and worked for a time at the Intersecting Storage Rings (ISR) at CERN. His next appointment was as an Assistant Professor at Carnegie Mellon University from 1972 to 1978 during which time he was also Spokesperson of a BNL Baryonium Experiment. He has been a Staff Scientist at Fermilab since 1979 and has worked in a wide variety of roles on experiments both at Fermilab and elsewhere. He participated in the D0 Experiment as Muon Group Leader from 1982 to 1990 and as B Physics Group Co-Convener from 1990 to 1994. He led the US compact Muon Solenoid (CMS) Collaboration as Spokesperson and then Project Manager for the US groups working at the Large Hadron Collider (LHC) at CERN. At Fermilab, he was Physics Department Deputy Head from 1984 to 1986 and Head from 1986 to 1990. Beginning in 1993 he served as the CMS Department Head in the Particle Physics Division, and he was Chair of the CMS Collaboration Board from 2008 to 2010.*

The seminar will be held at 2pm in 2214 SES.

UIC Physics Department/SES is located at 845 W. Taylor Street, Chicago, IL, 60607

**Refreshments will be served at 1:45 pm*