

.....

CSO SPECIAL SCIENCE SEMINAR

.....

TIME: 11:00AM, Friday 20th July 2007

PLACE: CSO Conference Room

TITLE: Star Formation: From Cores to Disks

SPEAKER: Professor Neal J. EVANS II

Department of Astronomy, the University of Texas at Austin

ABSTRACT:

I will highlight recent developments in the early stages of star formation. Observations with the Spitzer Space Telescope and complementary data at other wavelengths have provided more complete samples of star-forming regions. These provide constraints on theoretical models of the origin of the initial mass function and evolutionary stages. The early stages of star formation include the separation of dense cores from the background molecular cloud, the evolution before point source formation, the infall onto the central source, and the formation of the disk. These events are usually associated with changes in the SED associated with the Class System. The large sample available from the Cores to Disks (c2d) program provides good statistics on the numbers of objects in various stages, and these can be used to estimate timescales.

.....

Caltech Submillimeter Observatory (CSO) Hilo office is located in the University Park,
at the corner of Komohana – Nowelo Street.

111 Nowelo Street, Hilo HI 96720 (Phone: (808) 935-1909)