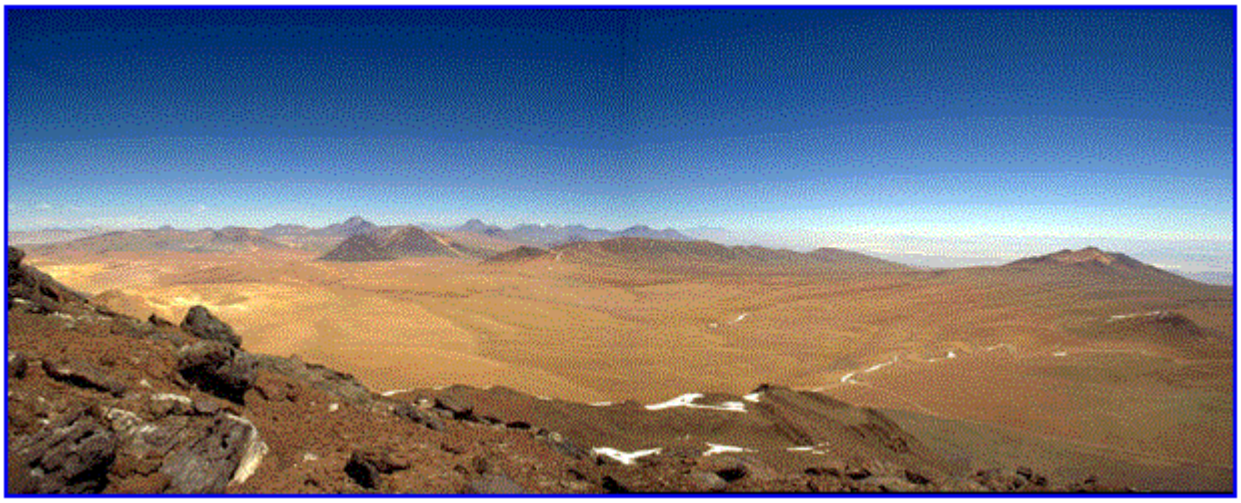
BOSTON UNIVERSITY

# ASTROPHYSICS
## SEMINAR SERIES

## "The Submillimeter CCAT Telescope: as High as You Can Drive a Truck"




**Riccardo Giovanelli**

**Cornell University**

**Monday, November 19, 2012**
**Refreshments at 3:30pm in CAS 500**
**Talk begins at 4:00pm in CAS 502**

Abstract:
CCAT is a consortium to build a 25-meter telescope at very high (5600m=18400ft) elevation in the Atacama Desert, which will operate at wavelengths as short as 200 micron. The consortium includes Cornell University, the California Institute of Technology and the University of Colorado in the US, an alliance of eight universities in Canada, the universities of Cologne and Bonn in Germany, and Associated Universities, Inc., of Washington, D.C. It is designed with a large field of view (1 deg), to maximize survey speed and accommodate large detector arrays. Among its science goals are the characterization of the population of galaxies at high redshift, mapping the first clusters of galaxies, elucidating the connection between the stellar IMF and the ISM cloud cores. An update on the design of the telescope and instrumentation plans will also be presented.