



HAO Colloquium Series

(Refreshments served)

Speaker: Gulnur Dogan, HAO/NCAR

Time: 1:30–2:30 pm

Date: Wednesday, November 9, 2011

Location: CG1-South Auditorium

Title: Asteroseismic analysis of Sun-like stars using Kepler data

Abstract:

Asteroseismology, the field of astrophysics that allows us to probe the interiors of the pulsating stars using their observed oscillation frequencies, has been in rapid development. Recent data, particularly from NASA Kepler satellite, have been extending the limits of what we can achieve through asteroseismology. Focusing on the Sun-like stars, I will give a brief overview of observations and modeling efforts so far, and present results from on-going modeling work as well as discussing some problems.