



**ASTROPHYSICS
SEMINAR SERIES**

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**"The Large Millimeter Telescope:
Recent Progress and New Results"**

Monday, February 3, 2014

Refreshments at 3:15pm in CAS 500

Talk begins at 3:30pm in CAS 502

Abstract:

The Large Millimeter Telescope is a collaborative project between the University of Massachusetts at Amherst and the country of Mexico, represented by the Instituto Nacional de Astrofisica, Optica, y Electronica (INAOE), to build a 50m diameter, millimeter-wave telescope. At this time, the inner 32m diameter of the telescope's primary reflector has been completed; it is under full active control to allow compensation of the surface shape for gravitational deformations. The telescope is currently in an "Early Science" phase of commissioning and operation using two instruments: the Redshift Search Receiver, an ultra-wideband receiver/spectrometer for extragalactic observations and redshift measurements in the 3mm atmospheric window; and AzTEC, a 144-pixel continuum camera for 1.1mm observations. This talk will review the current status of the telescope and its instruments and present some recent observations.