

Astro Seminar Series



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Chasing proto-planetary disks and high- z galaxies with the LMT

The 50-meter Large Millimeter Telescope (LMT) – a joint project of UMass Amherst and INAOE, Mexico – is nearing completion on 5000m Sierra La Negra, and is now operating with a 32-m surface in “Early Science” mode. Some of the most luminous galaxies in the Universe are dusty starbursts at redshifts $z > 4$ that are invisible in the optical but easily detected at 1-3 mm with LMT. I will review the status of this new facility and some of its recent results, including redshifts measured using CO emission lines, resolution of previously blended Herschel sources, gravitationally lensed submillimeter galaxies out to $z \sim 5$, and dust maps of proto-planetary disks in nearby Galactic star-forming regions.

Tuesday Sept 29, 3:30pm
Bell Room (103)
Rutherford Physics Building