物理科学科　セミナー

講師：Dr. Chris Packham　(University of Texas at San Antonio)
日時：7 月 22 日（水）　13:30 -- 14:30
場所：万有館 2 階セミナー室
題目：" Future Observational Prospects at Thermal-IR Wavelengths & the AGN Torus"

講演要旨

A thermal-infrared imager and spectrometer is being investigated for possible construction in the early operation of the Thirty Meter Telescope (TMT). Combined with the mid-infrared adaptive optics (AO) system (MIRAO), the instrument will afford ~15 times higher sensitivity and ~4 times better spatial resolution (0.07") with a greatly improved and stable Strehl ratio at 10 micron compared to the images delivered by 8m-class telescopes. Through exploiting the large collecting area of the TMT, a high-dispersion spectroscopy mode unrivaled by other ground- and space-based facilities is planned. Such capabilities offer the possibility for breakthrough science, as well as 'workhorse' observing modes of imaging and low/moderate spectral resolution. In this presentation I detail the approach we followed to initially define the instrument and some of the science cases enabled, with a particular focus on the AGN torus.

※講演は英語になりますが、ゆっくりとお話ししていただく予定ですので、学部・大学院の学生で興味のある方、ぜひご参加ください。

講師紹介（http://physics.utsa.edu/Faculty/Packham/Packham.html）

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Areas of Specialization:

- Infrared Observations
- Active Galactic Nuclei
- Stellar Discs
- Infrared Instrumentation

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