

2014 Spitzer Lecturer

Fiona Harrison

Benjamin M. Rosen Professor, Caltech



Monday, April 28

Experimental techniques in high energy astrophysics

Tuesday, April 29 – Colloquium

The Nuclear Spectroscopic Telescope Array (NuSTAR) High-Energy X-ray Mission: Bringing the High Energy Universe into Focus

The Nuclear Spectroscopic Telescope Array, the first focusing high-energy X-ray (3 – 79 keV) telescope in orbit, extends sensitive X-ray observations above the band pass where Chandra and XMM-Newton operate. With an unprecedented combination of sensitivity, spectral and imaging resolution above 10 keV, NuSTAR is advancing our understanding of black holes, neutron stars, and supernova remnants. Professor Harrison will describe the mission, and present science highlights to-date from the two-year baseline mission.

Monday, May 5

Black Hole Spin using X-ray Spectroscopy: Status and Challenges

Wednesday, May 7

States of Super-Eddington Accretion

All talks will be at 4:30 in the Peyton Hall auditorium.
The colloquium will be followed by a reception.