

COLUMBIA ASTRONOMY OUTREACH PRESENTS:



STARGAZING & LECTURE SERIES

X-ray Spectacular!

A lecture by Doug Thornhill
Friday, October 5th, 8:00PM
Pupin Hall, Columbia University



Launched into orbit this past summer, the Nuclear Spectroscopic Telescope Array (NuSTAR) is on its way to providing scientists with unprecedented views of the the X-ray universe. Built here at Columbia, the twin NuSTAR telescopes will survey the Universe for supermassive black holes, study supernovae remnants and compact objects, as well as glimpse how energy is transported in the Sun. Join us as we discuss how X-ray telescopes work, the challenges of their construction and what knowledge we hope to glean from this high-precision instrument.

These are free lectures at a public level followed by guided stargazing with telescopes (weather permitting). All events are held at Pupin Hall at Columbia University. No reservations are needed. Lectures are 30 minutes, stargazing lasts 90 minutes. Stay only as long as you want. For directions, weather updates and more information, please visit:

<http://outreach.astro.columbia.edu>