

Abstract Submitted
for the APR08 Meeting of
The American Physical Society

Recent Results from the Chandra Deep Field Surveys¹ WILLIAM BRANDT, Penn State Astronomy and Astrophysics, CHANDRA DEEP FIELDS TEAM — The deepest Chandra surveys continue to deliver fascinating results about active galactic nuclei (AGNs), starburst & normal galaxies, groups & clusters, and large-scale structures in the distant X-ray universe. I will review these surveys and describe some recent results from two of them, the Chandra Deep Field-North and Extended Chandra Deep Field-South. Specifically, I will describe (1) the X-ray-to-optical properties of AGNs probed over wide luminosity and redshift ranges, (2) the obscured AGN content of distant submillimeter galaxies, and (3) the X-ray evolution of non-active late-type and early-type galaxies over the last half of cosmic time. I will also discuss some key outstanding problems and prospects for short-term and long-term advances.

¹We gratefully acknowledge support from NASA.

William Brandt
Penn State Astronomy and Astrophysics

Date submitted: 26 Dec 2007

Electronic form version 1.4