



X-RAY ASTRONOMY 2019

Current Challenges and New Frontiers in the Next Decade

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Disentangling the dependence of AGN variability on physical parameters in the Chandra Deep Field South

We explore the dependence of Active Galactic Nuclei from the BH mass and luminosity for the ~30 super-massive BHs with mass estimates in the Chandra Deep Field south. With this dataset we can test whether the results are consistent with the models based on low-redshift AGNs, and validate the use of AGN variability to estimate the accretion history of SMBH as well as for future cosmological applications.

Topic

Active Galactic Nuclei: accretion physics and evolution across cosmic time

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