



# - RAY ASTRONOMY 2019

*Current Challenges and New Frontiers in the Next Decade*

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## Extended X-ray Emission Near PG1407+265

*Friday, 13 September 2019 18:10 (2 minutes)*

We report Chandra observations of the environment of the unusual redshift 1 quasar PG1407+265 and discuss a new X-ray cluster found 1 arcminute from it. We discuss the X-ray variability of the quasar and estimate the cluster contribution to the X-ray flux in previous lower resolution observations. Optical observations complement the Chandra data and allow us to estimate the physical properties of the cluster.

### Topic

Active Galactic Nuclei: accretion physics and evolution across cosmic time

### Affiliation

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**Session Classification:** POSTER SESSION