

Exploring Hard X-ray Properties of VHE-Emitting Radio Galaxies NGC 1275 & Centaurus A

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- Radio galaxies are active galaxies whose relativistic jets are oriented away from our line of sight, offering a new window to understand the disk-jet-corona & jet-ISM/ICM interplay.
- The wide range of energy coverage (3-79 keV) of NuSTAR allows us to investigate spectral cutoffs, breaks, and several X-ray lines such as Fe K, Ca, and Ar, disk reflections, & hard-excess emission.

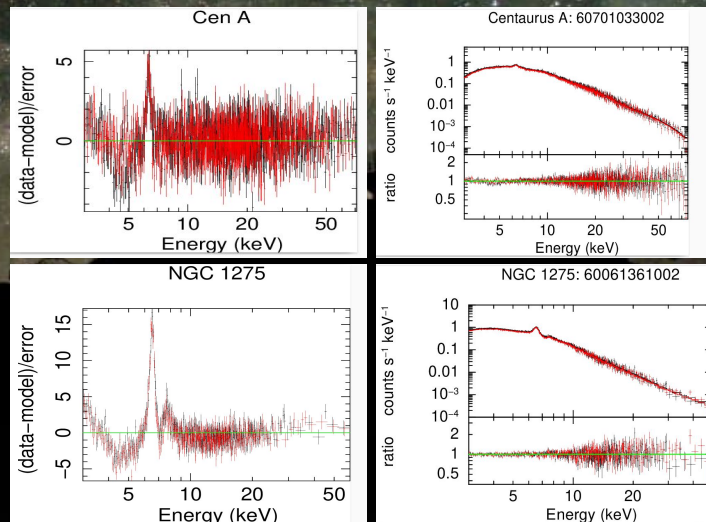
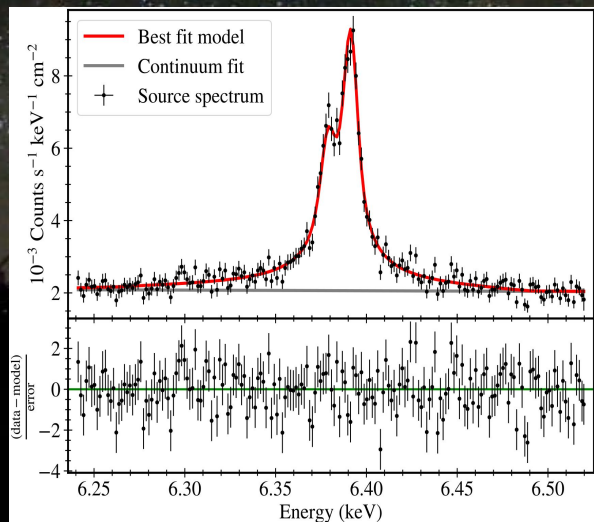


Figure : NuSTAR spectra and Fe line profiles for Cen A (top panel) & NGC 1275 (bottom)

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- Radio galaxies have jets that extend far beyond the host galaxy, often spanning millions of light-years.
- The wide range of emission lines such as Fe K, Ca, and

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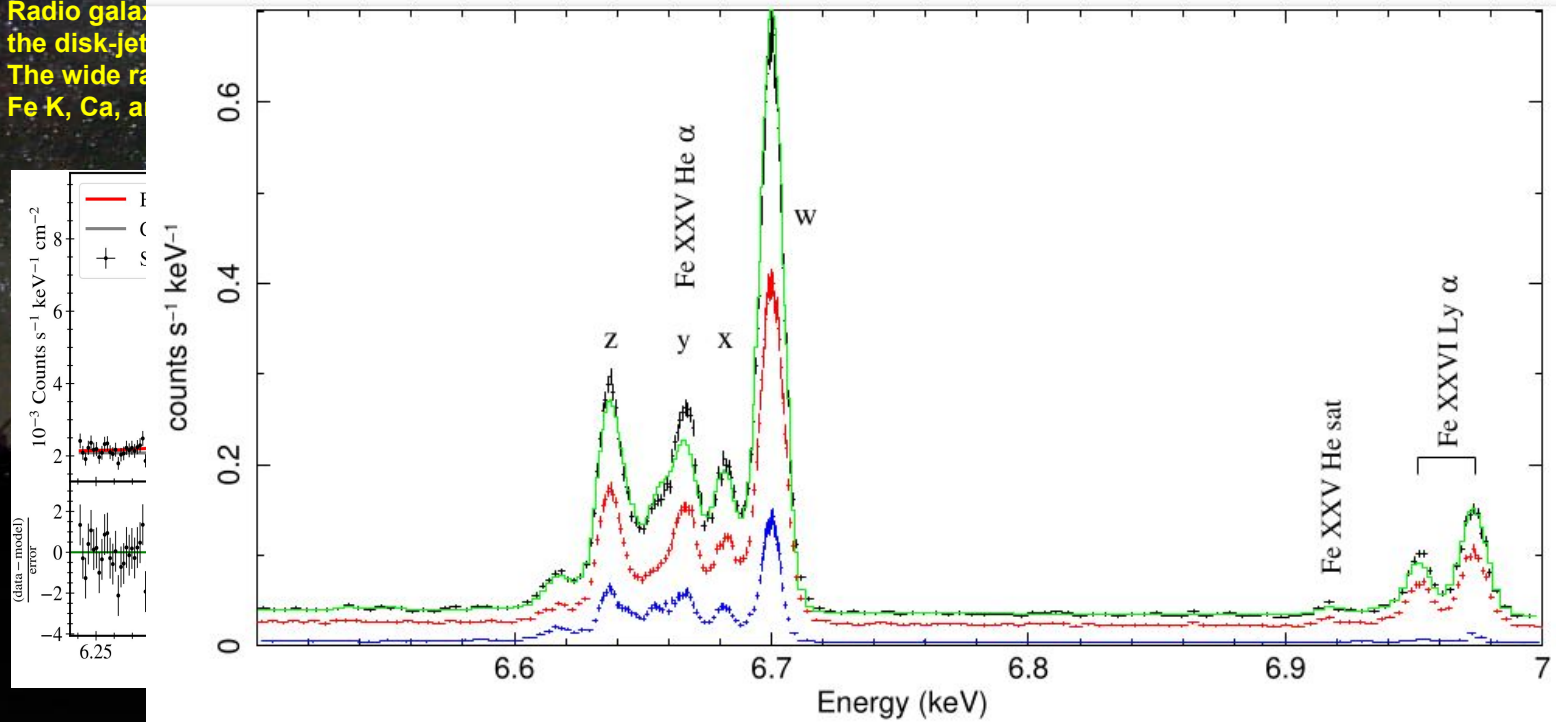


Figure 1: NusTAR spectra and Fe line profiles for Cen A (top panel) & NGC 1275 (bottom)