

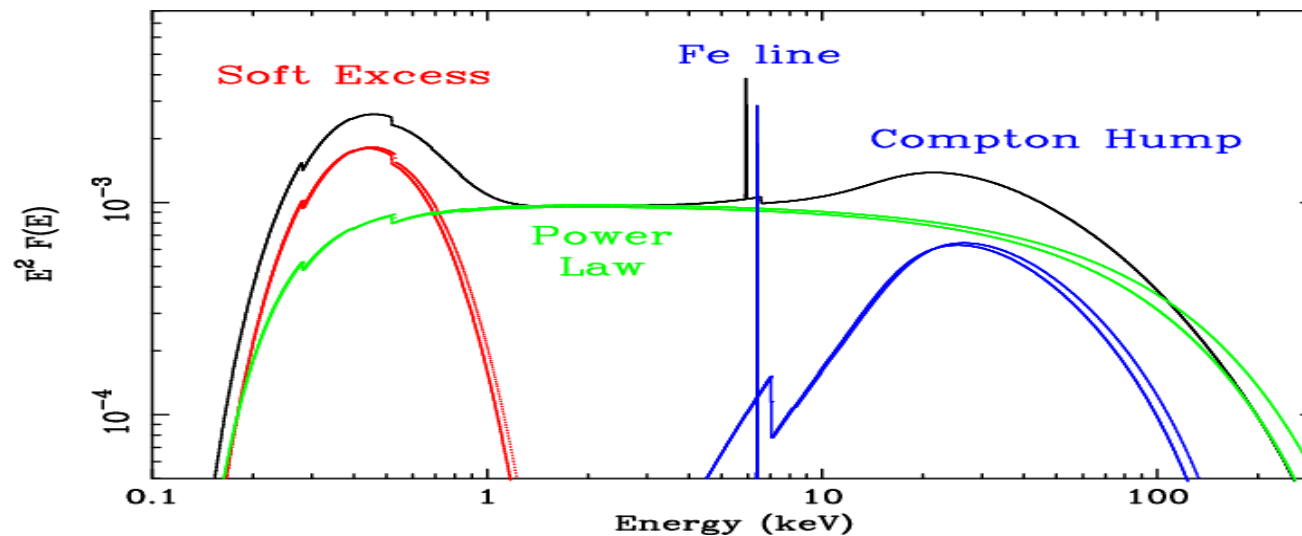
Measurements of coronal properties of AGN with NuSTAR

Priyanka Rani and C. S. Stalin

Indian Institute of Astrophysics, Bangalore, India



- One of the main open problem for AGN is the nature of the primary X-ray emission.
- It is thought to be originate either in a compact region known as corona which lies above the accretion disk or due to Comptonization of soft photons in radio-quiet AGN.



We therefore focus on both the timing and broad band (3–79 keV) spectral analysis:

- A direct measurement of the cut-off energy in the nuclear continuum of the AGN.
- Estimation of coronal properties (optical depth, plasma temperature etc.) by fitting the physical models to the spectrum of Seyfert galaxies.