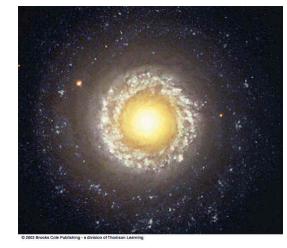
Active Galactic Nuclei (or AGN)



The spectra of these galaxies are different than "normal" galaxies.

Normal galaxies have stellar like spectra (sum of all stars in galaxy), but AGN show emission lines!

This suggest very hot, low density gas and very ionized and excited atoms.

The velocity dispersion of the emission region is about 10,000 km/s

<u>Seyfert galaxies</u> have very small (unresolved), extremely powerful centers! The strength of the emission lines vary on timescales of a month- region is small (R = ct)

