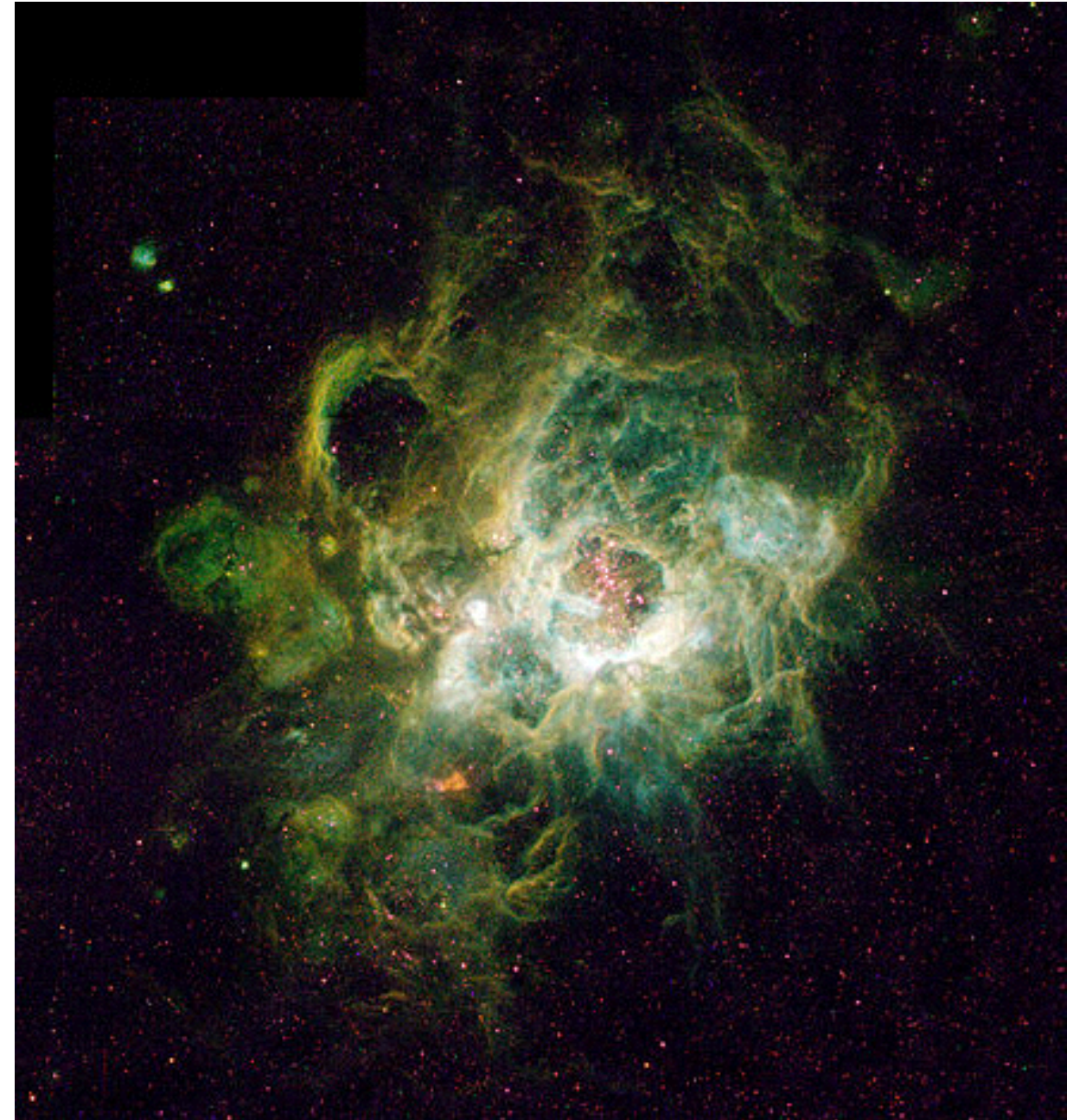


Rosette Nebula



© Australian Astronomical Observatory

NGC 604



<https://astrodonimaging.com/gallery/n44-superbubble-in-lmc-mro/>

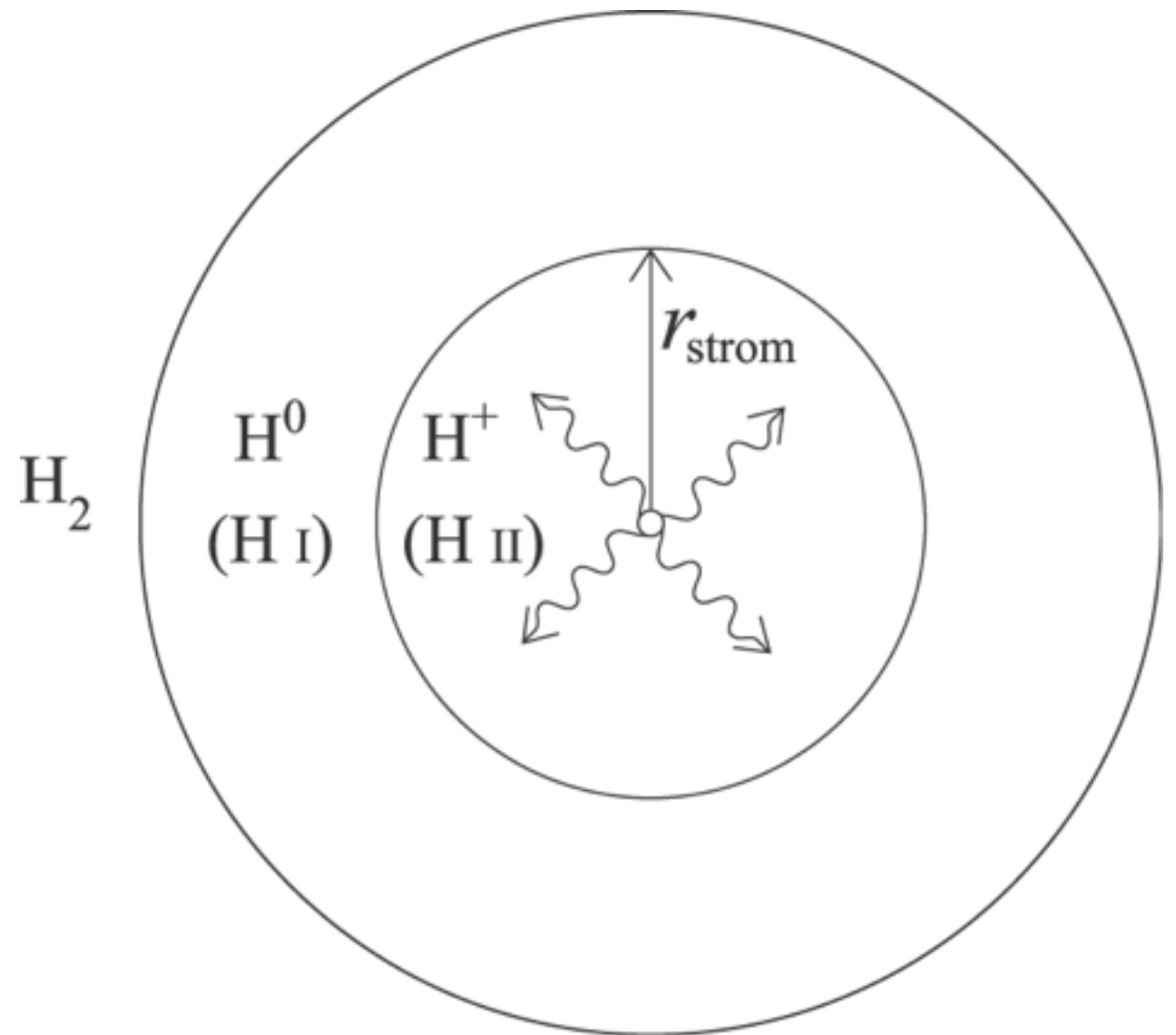


H-II Region in LMC

*In Galaxy M33
Photo from HST*

Maoz Figure 5.3

Ultraviolet photons from hot, young, massive stars carve out a region where the hydrogen gas is in a state of equilibrium as a fully dissociated set of protons and electrons.



Galaxy M81 Comparison

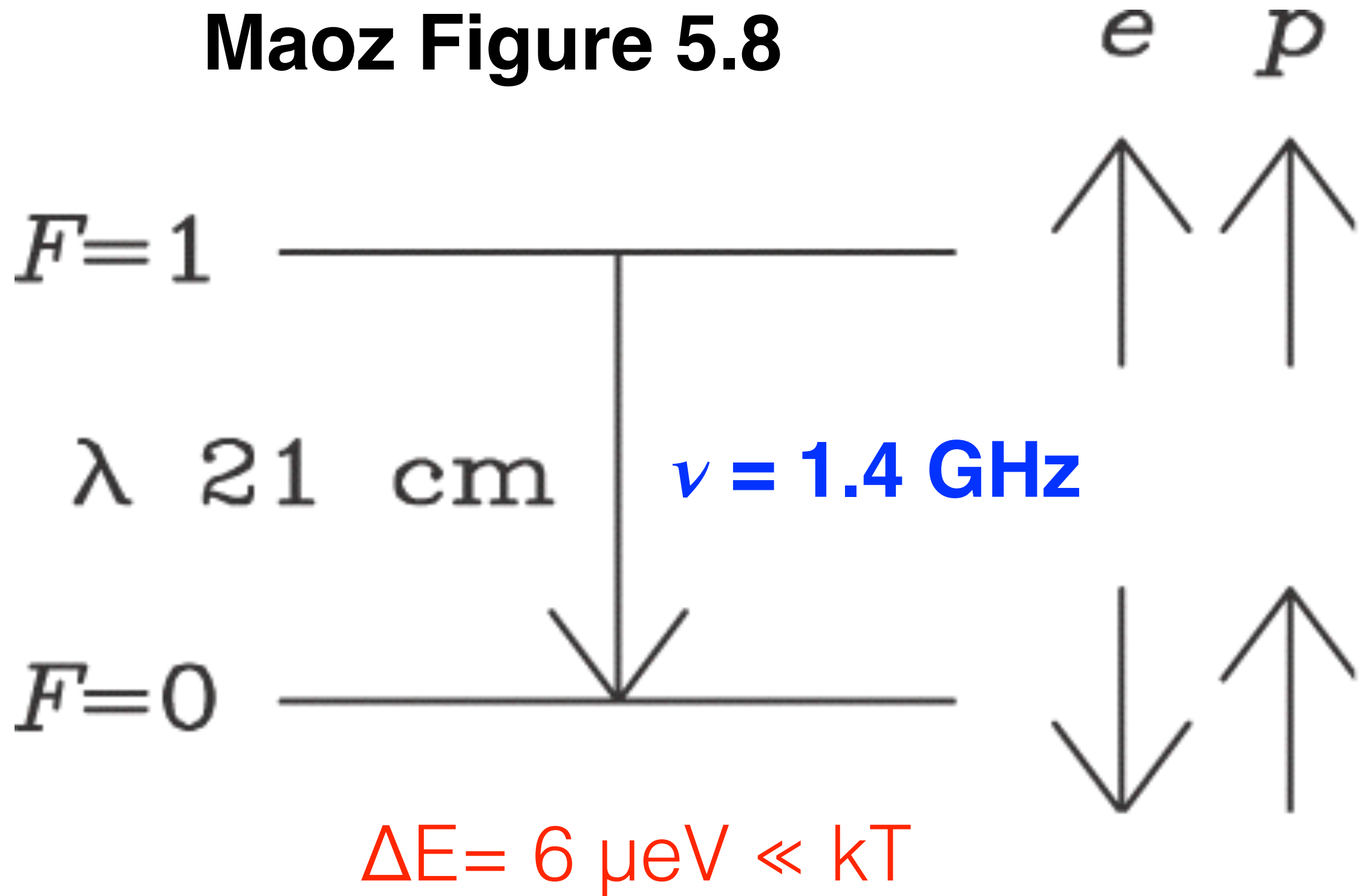


Visible (NOAO)

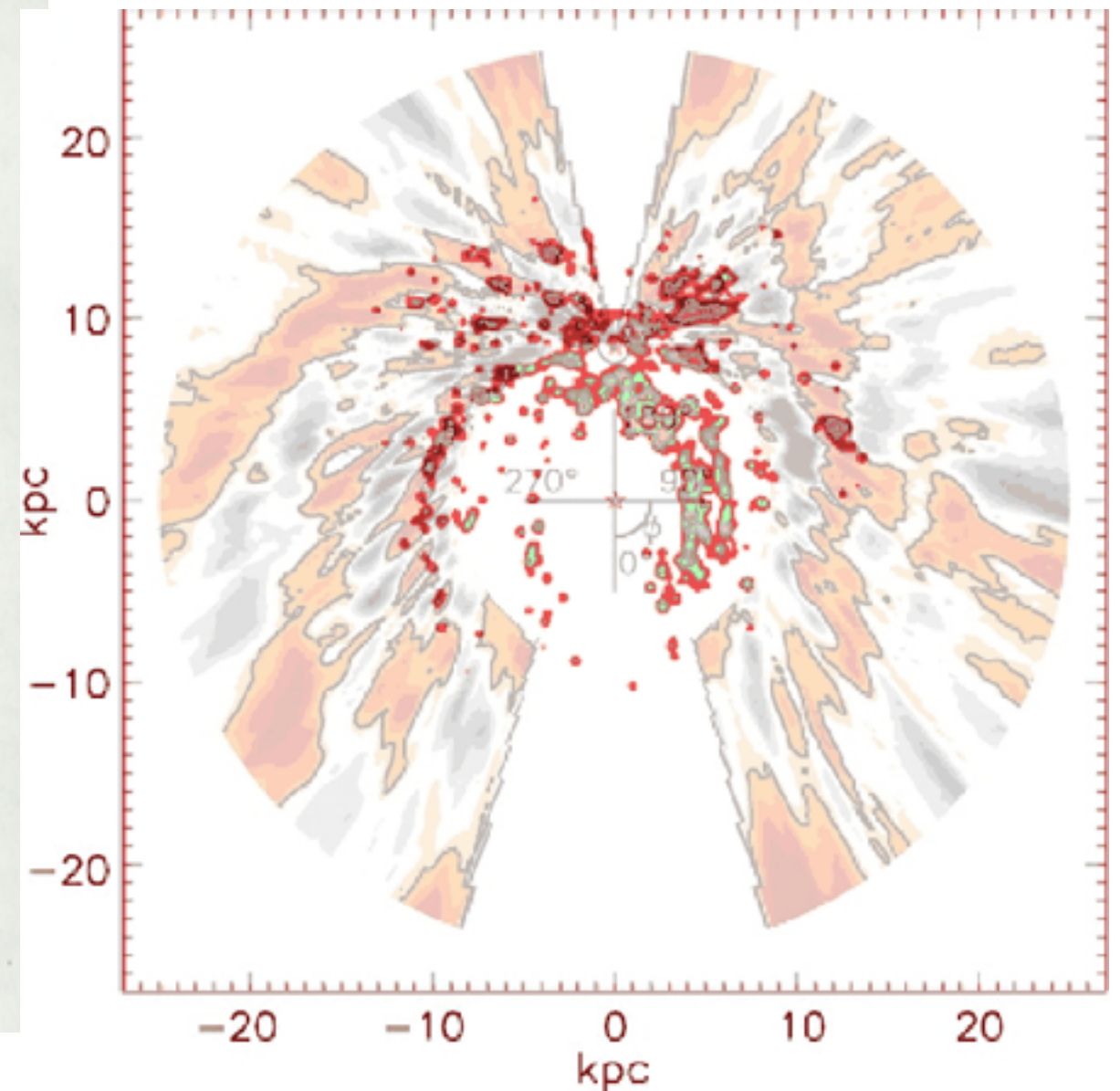
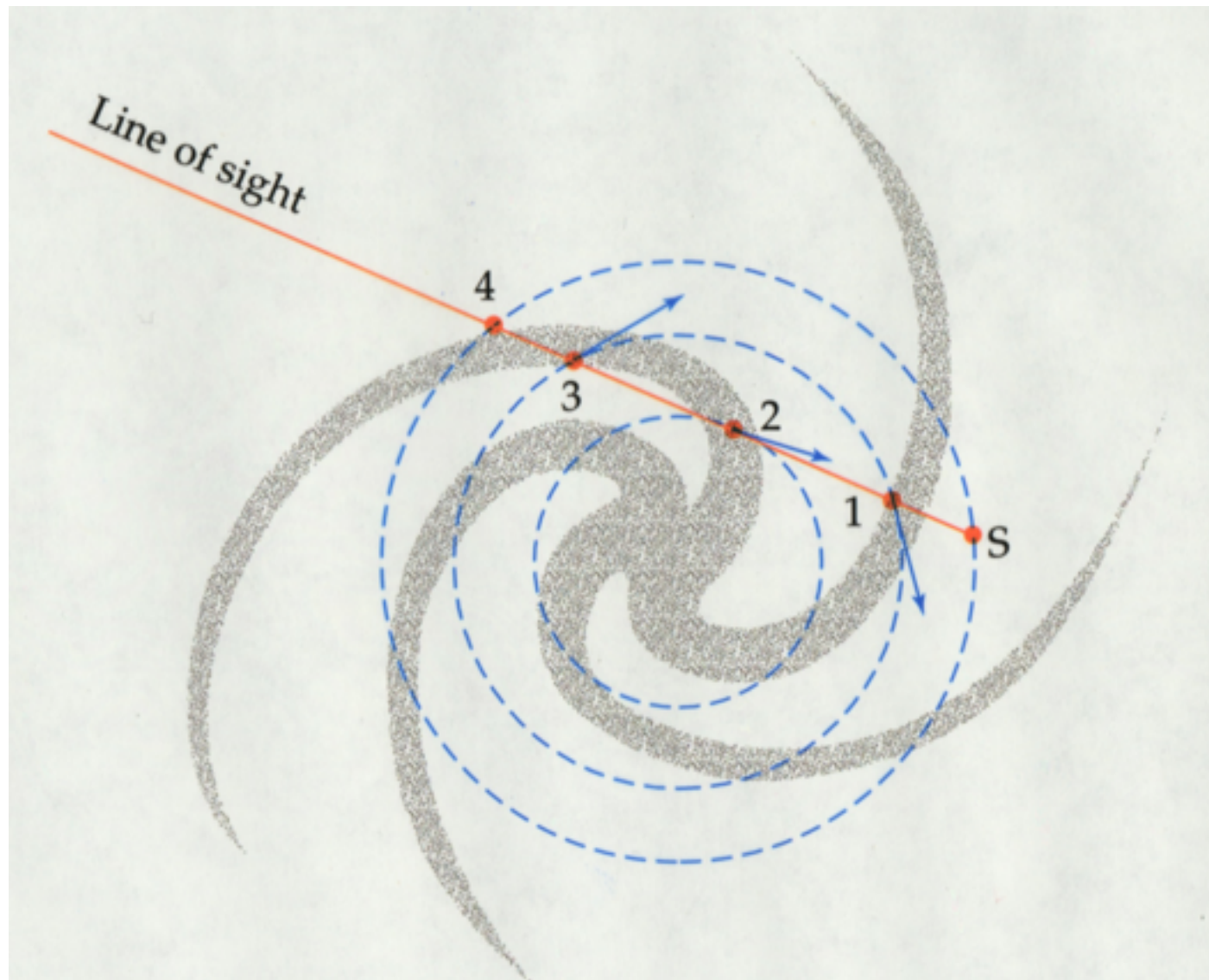


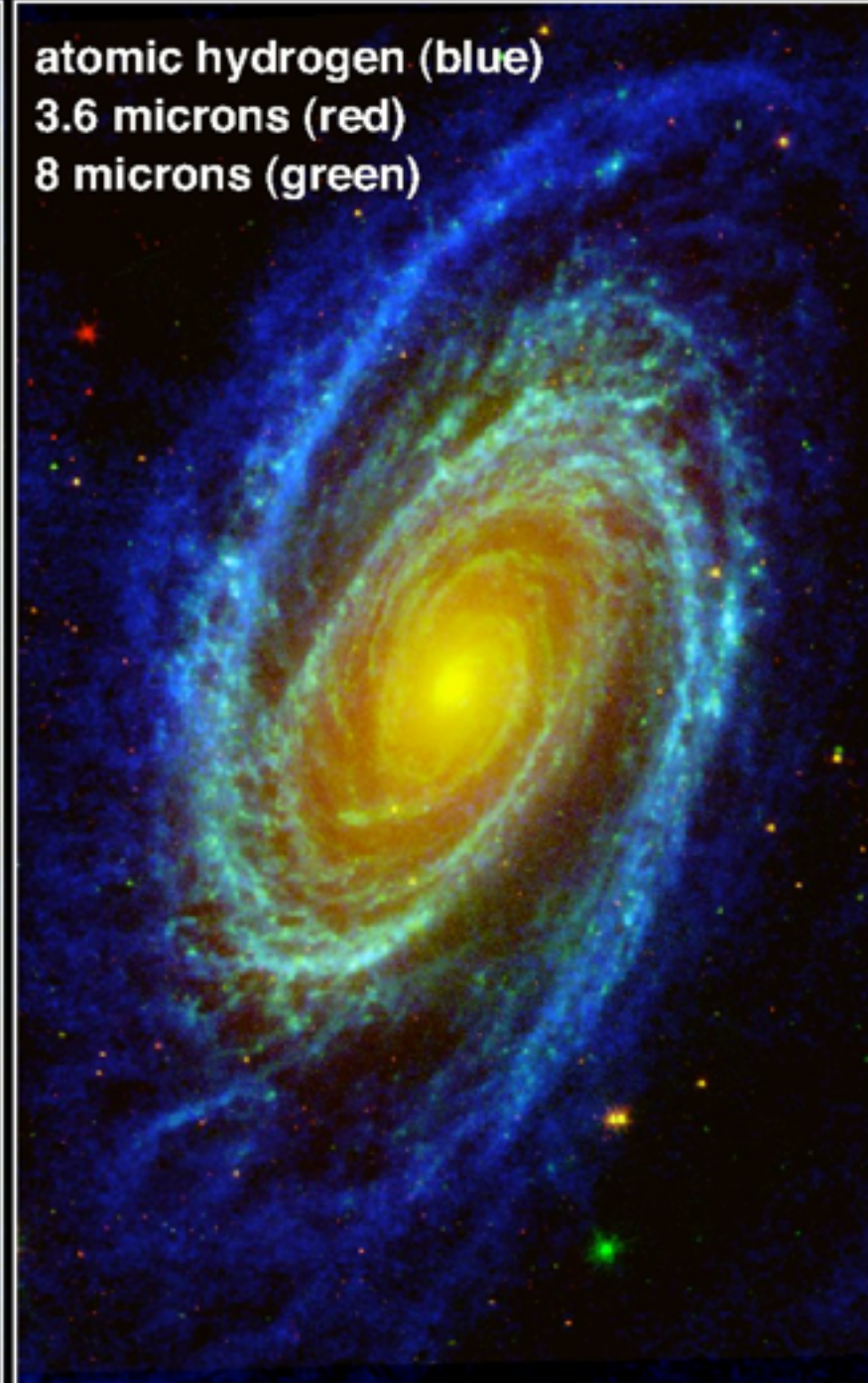
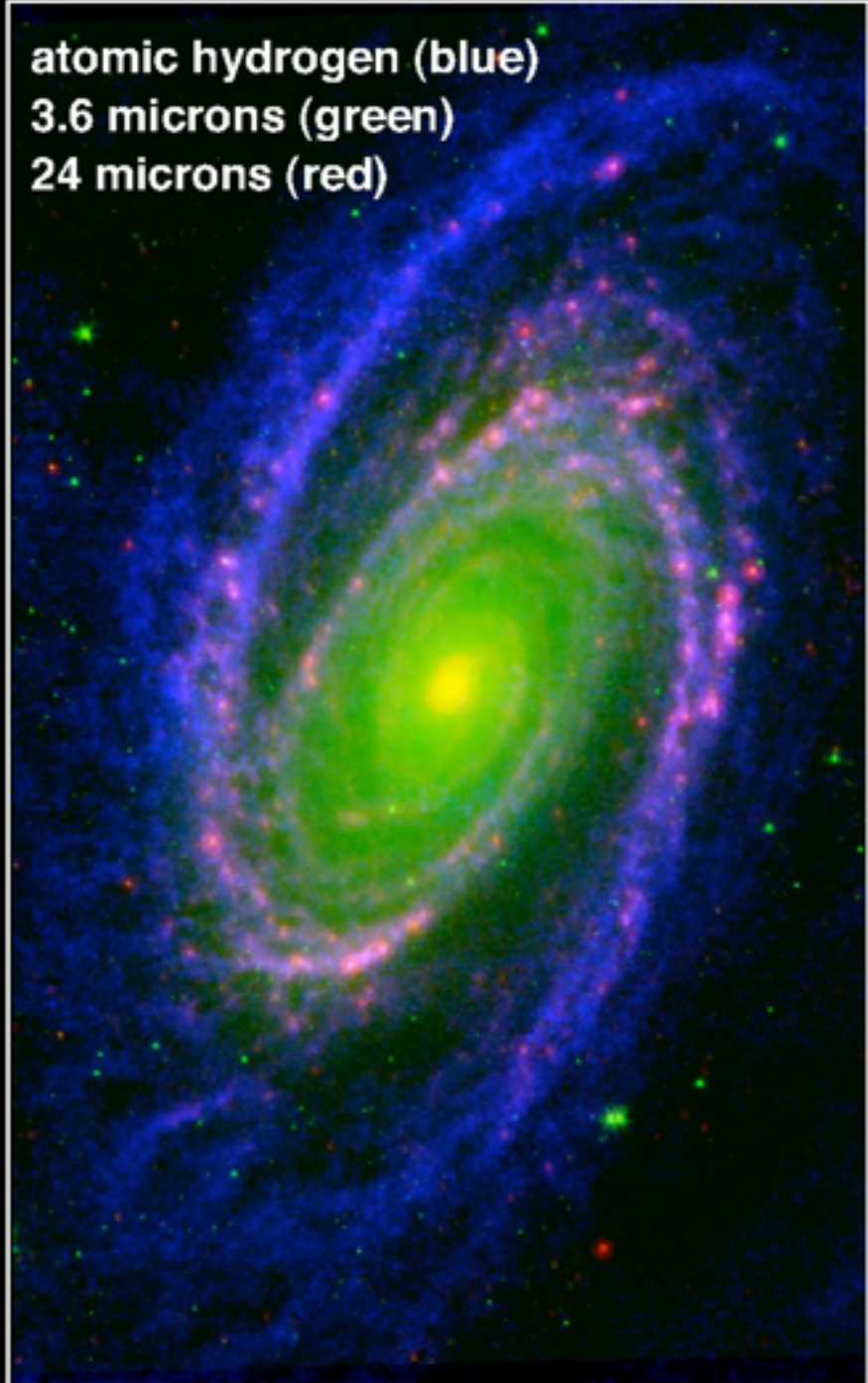
Ultraviolet (GALEX)

Maoz Figure 5.8



Spiral structure (?) of the Milky Way Galaxy

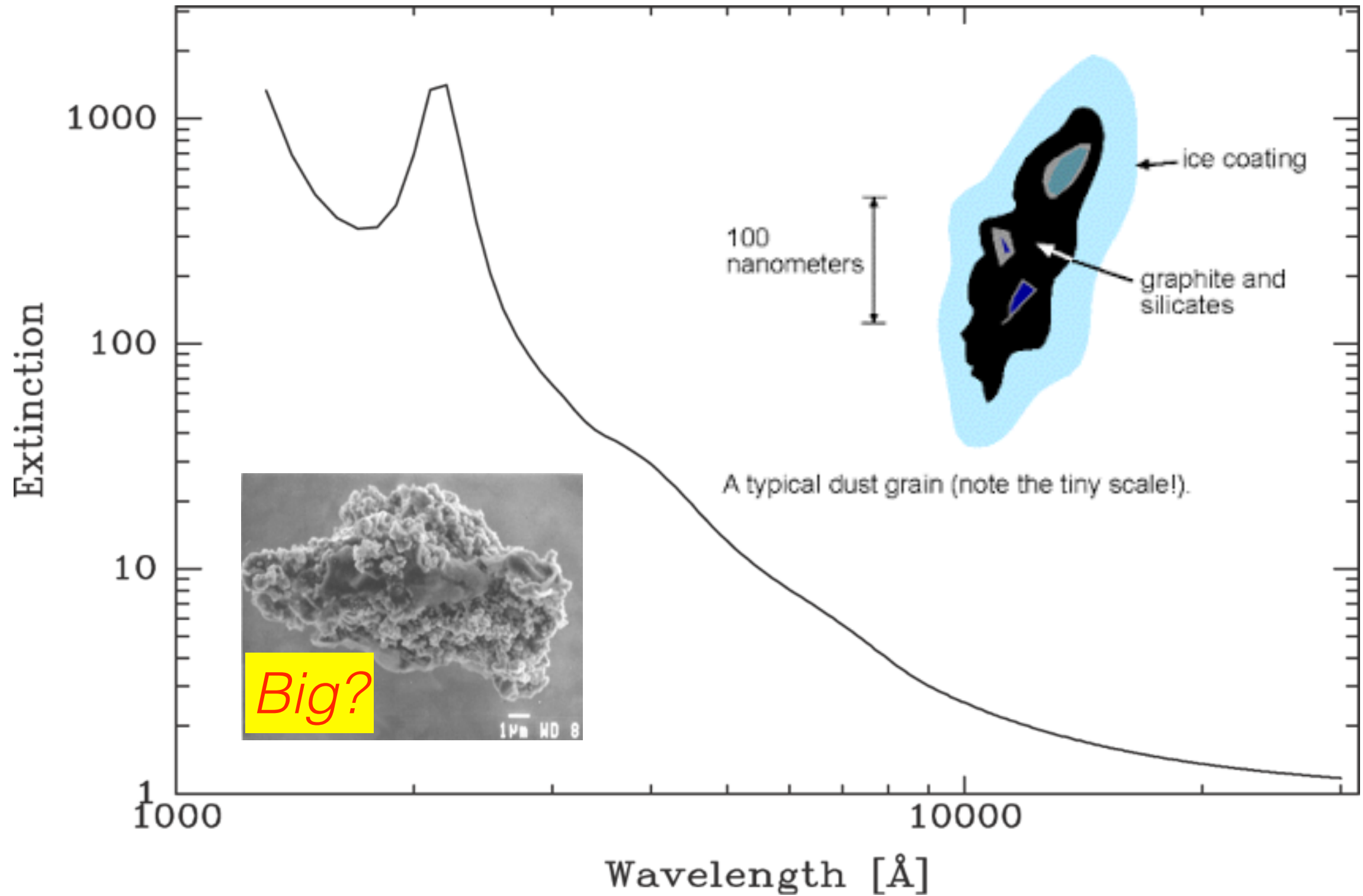




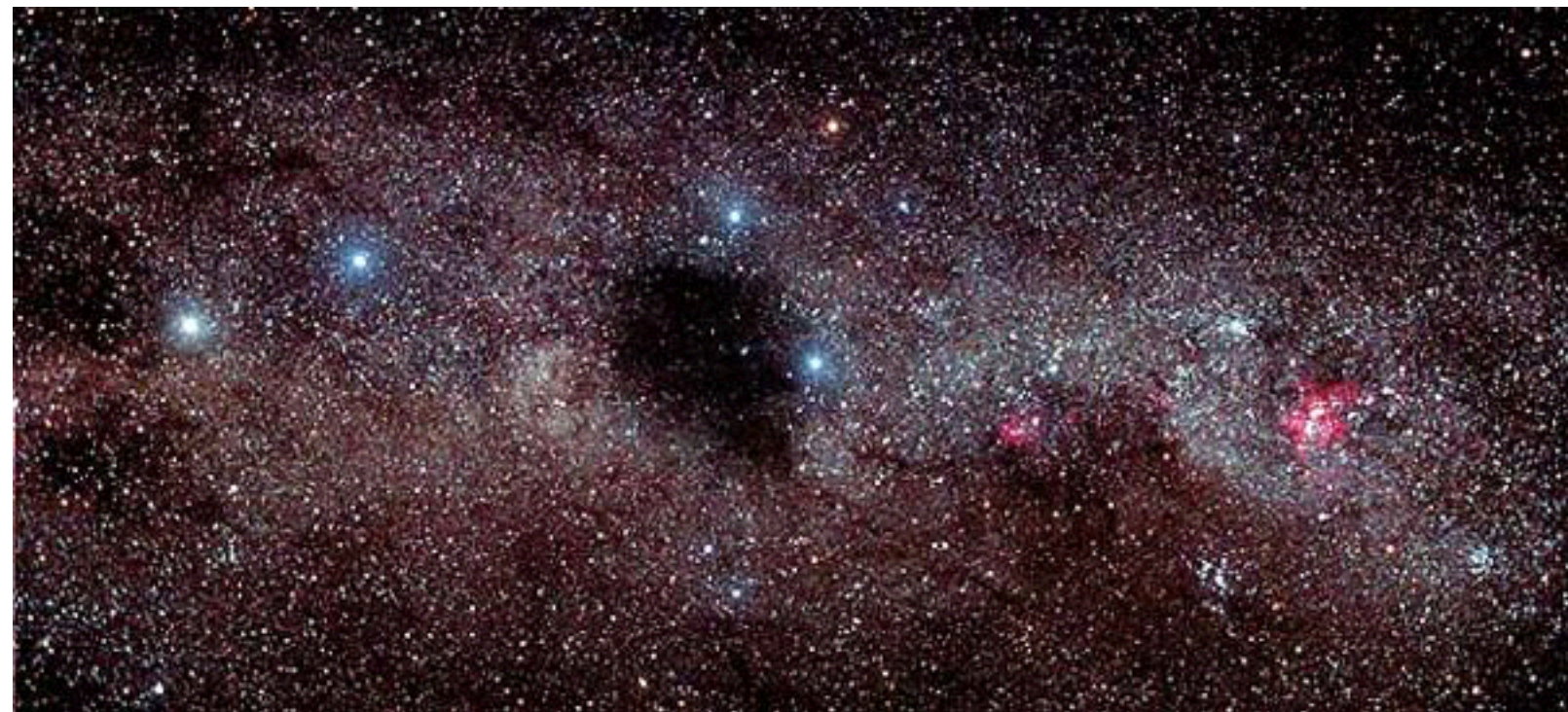
Spiral Galaxy Messier 81

NASA Spitzer Space Telescope and NRAO VLA

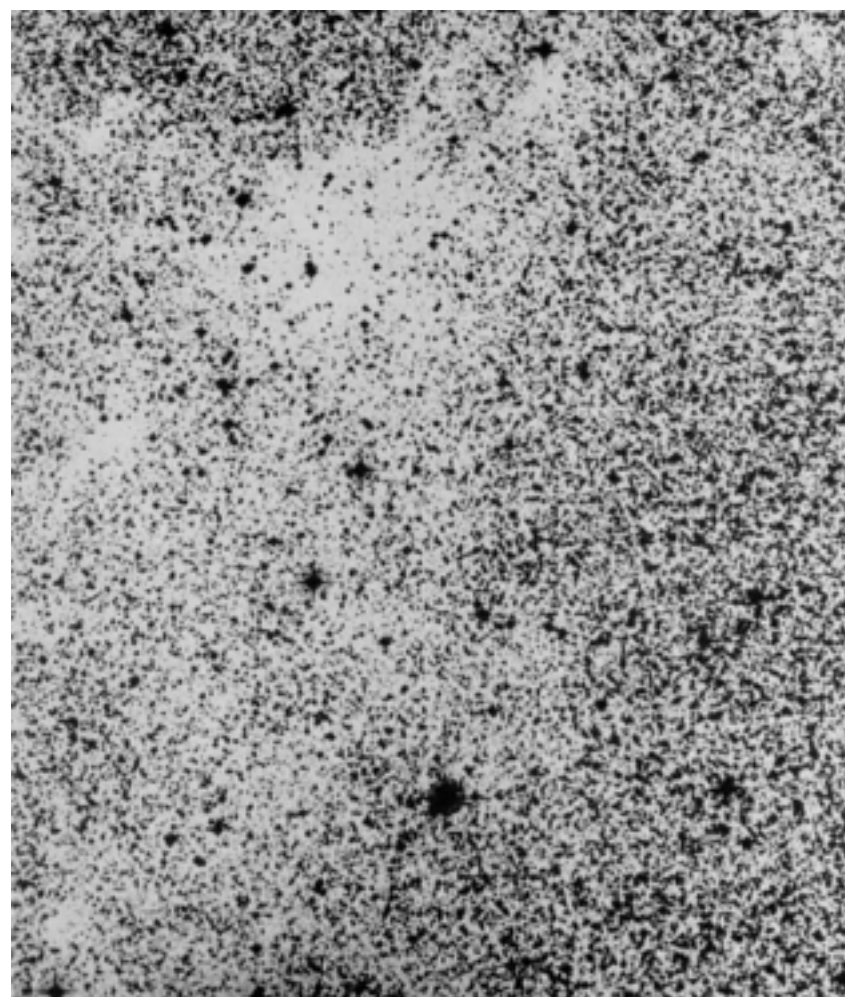
Maoz Figure 5.10



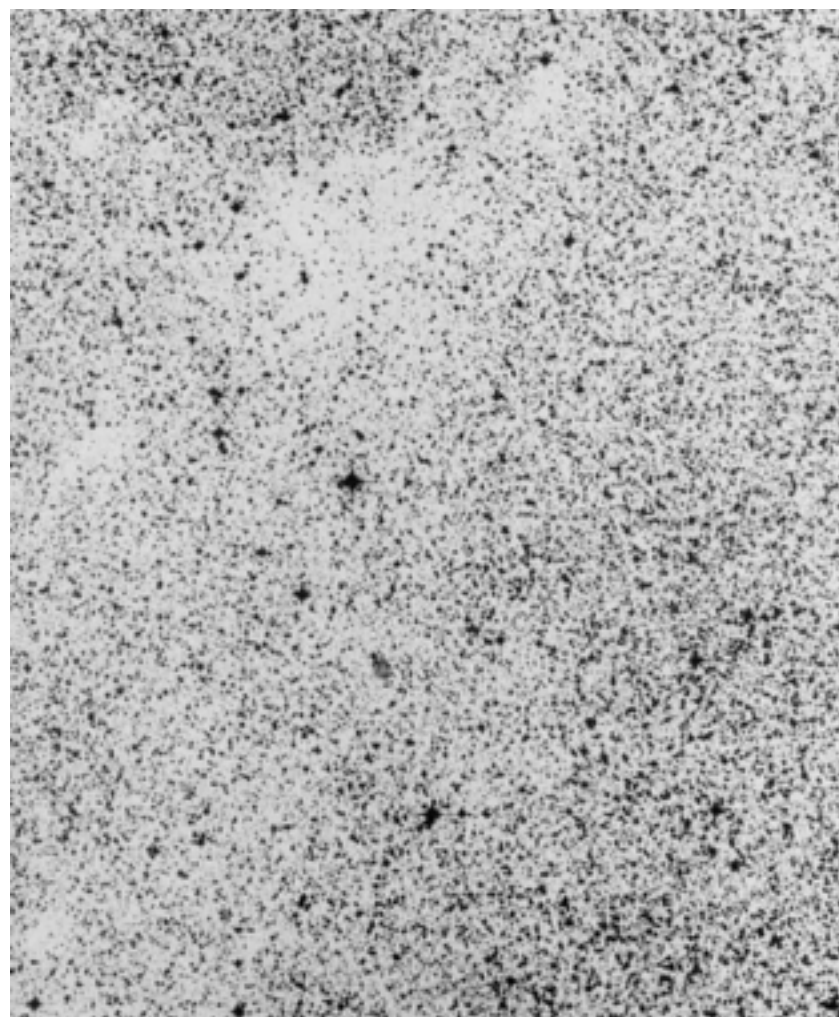
“Coalsack” Nebula



420 nm



640 nm



800 nm

