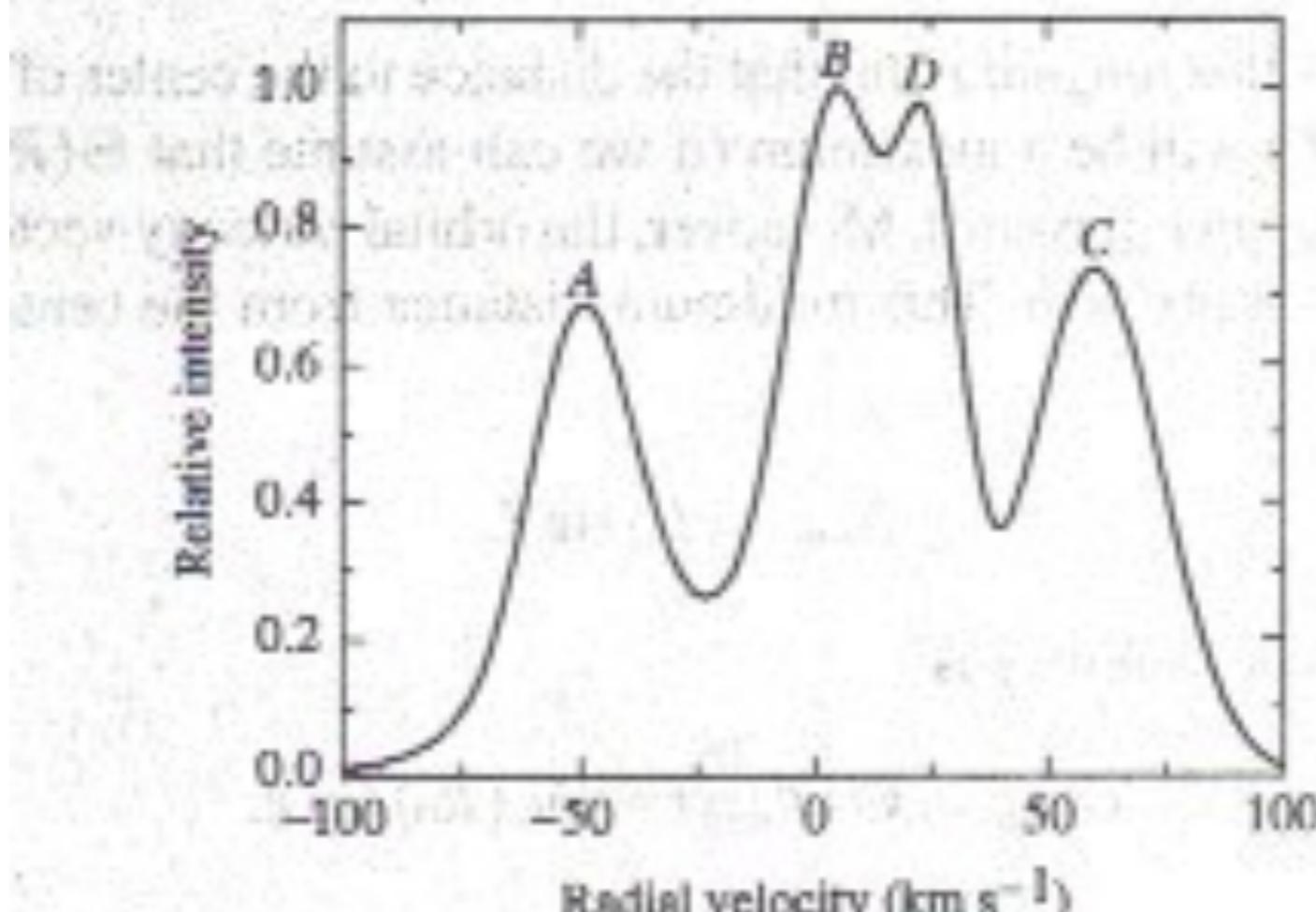


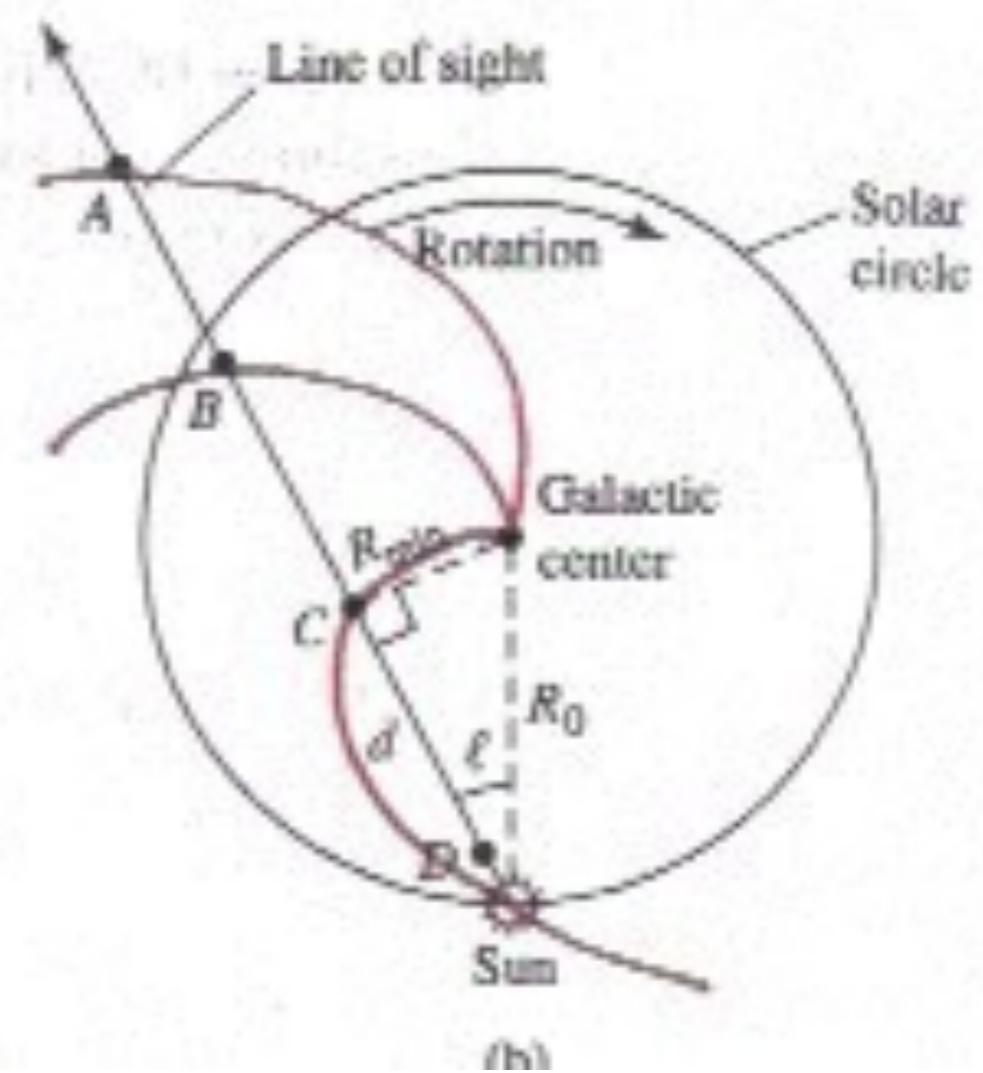
Spiral Arms and Differential Velocity of the Milky Way Galaxy

H-I Line Profile



(a)

Model

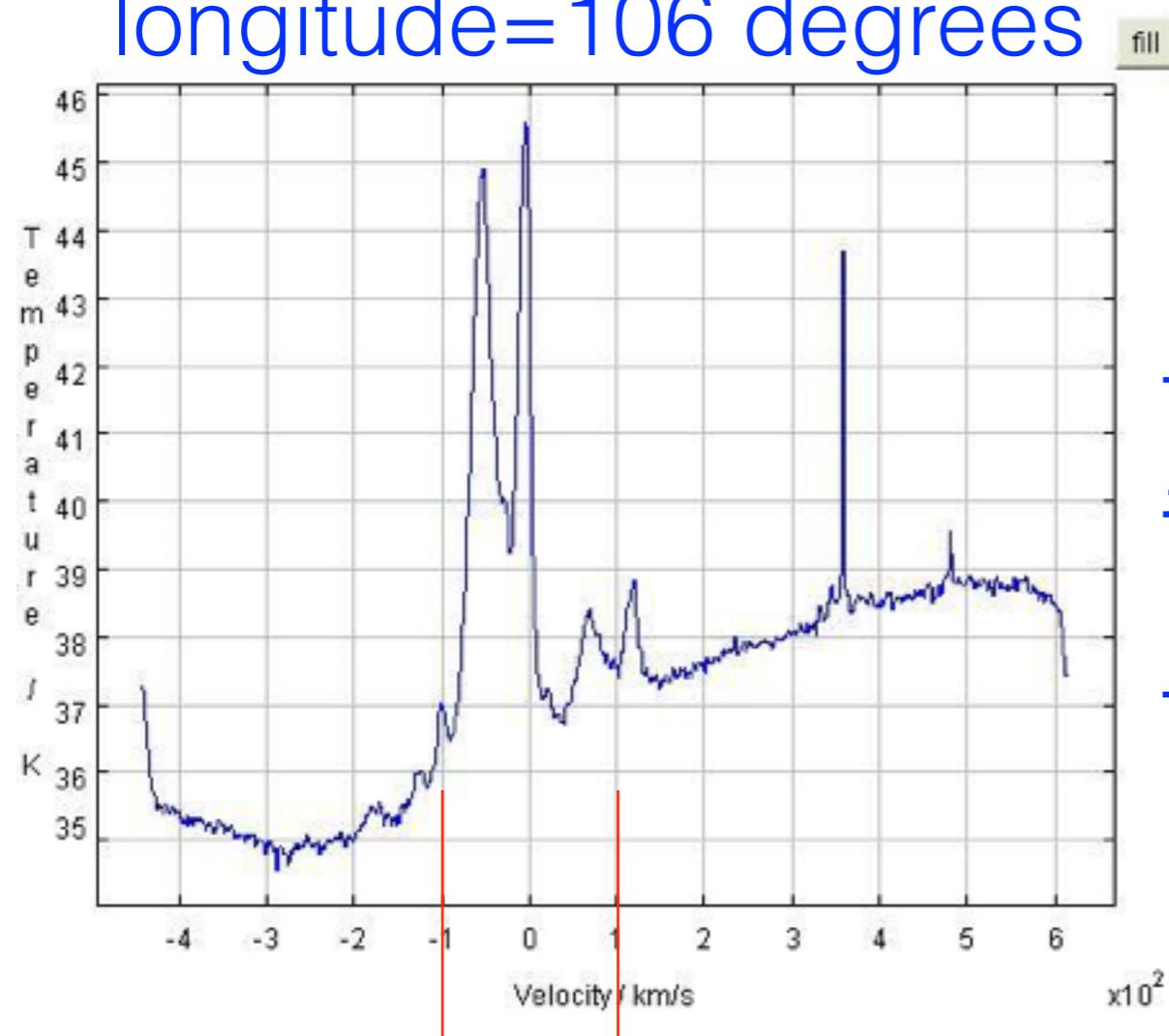


(b)

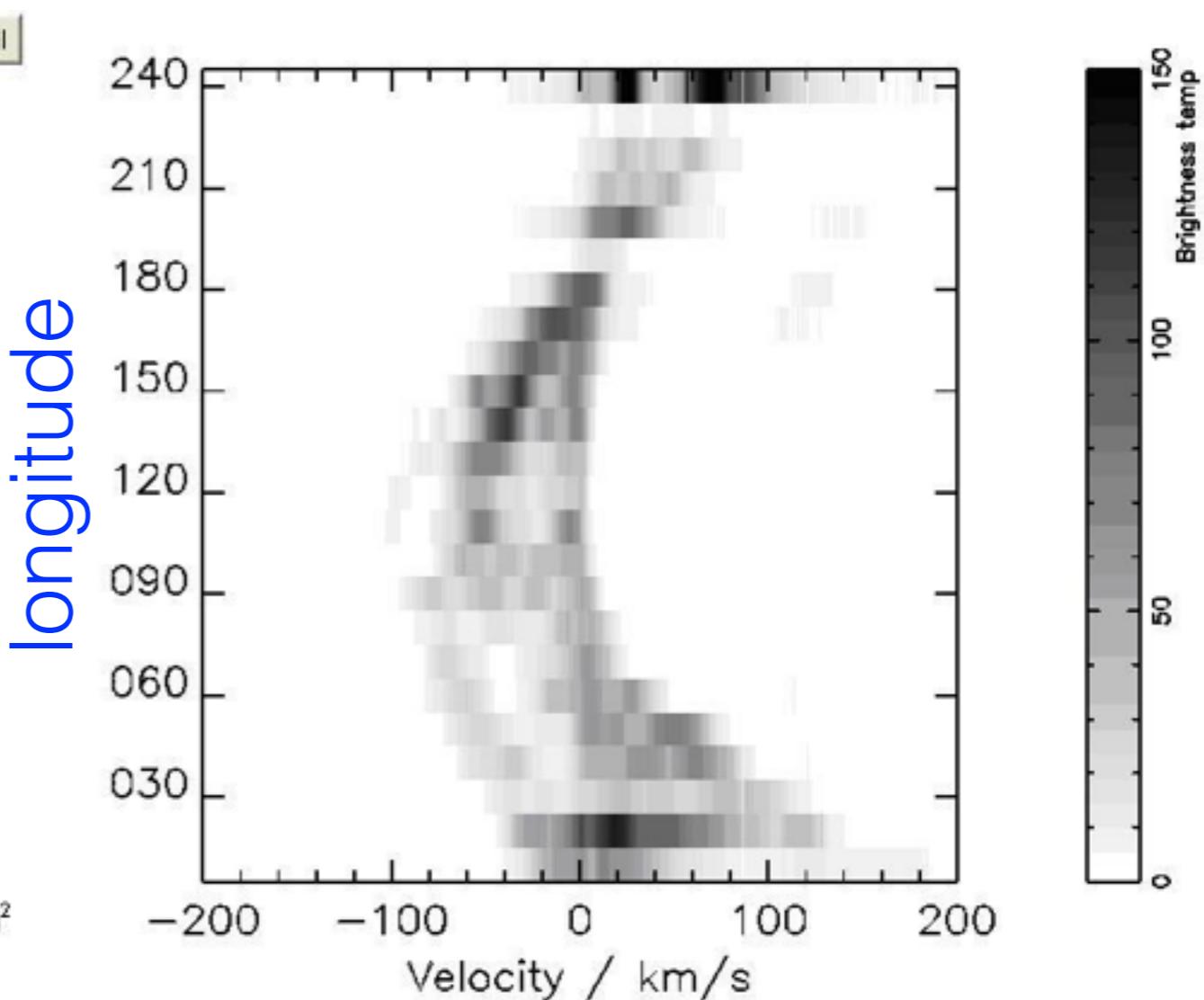
Carrol and Ostlie Figure 24.24

<http://www.farnham-as.co.uk/2010/09/mapping-neutral-hydrogen-in-the-milky-way-galaxy-by-peter-campbell-burns/>

longitude=106 degrees

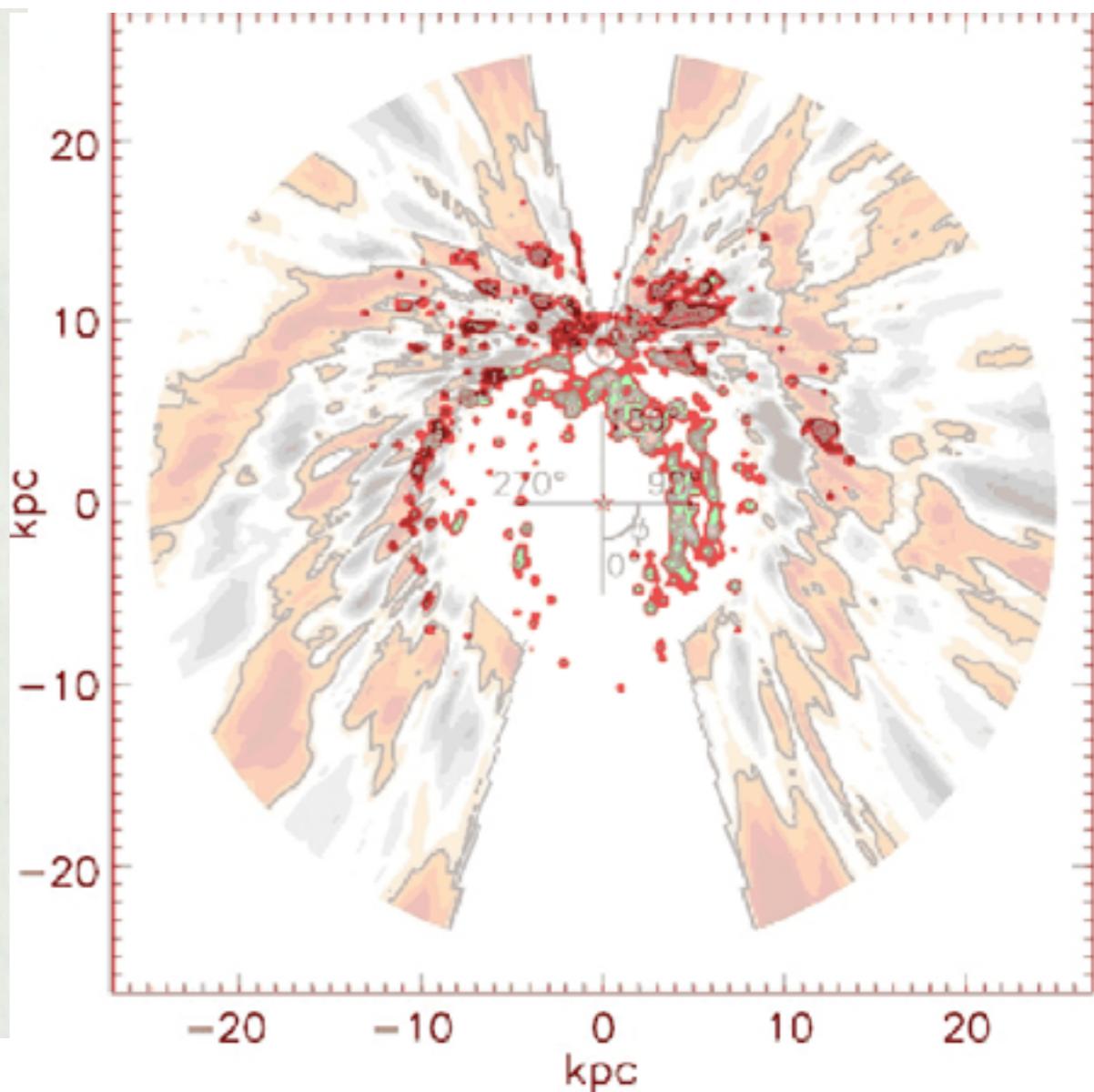
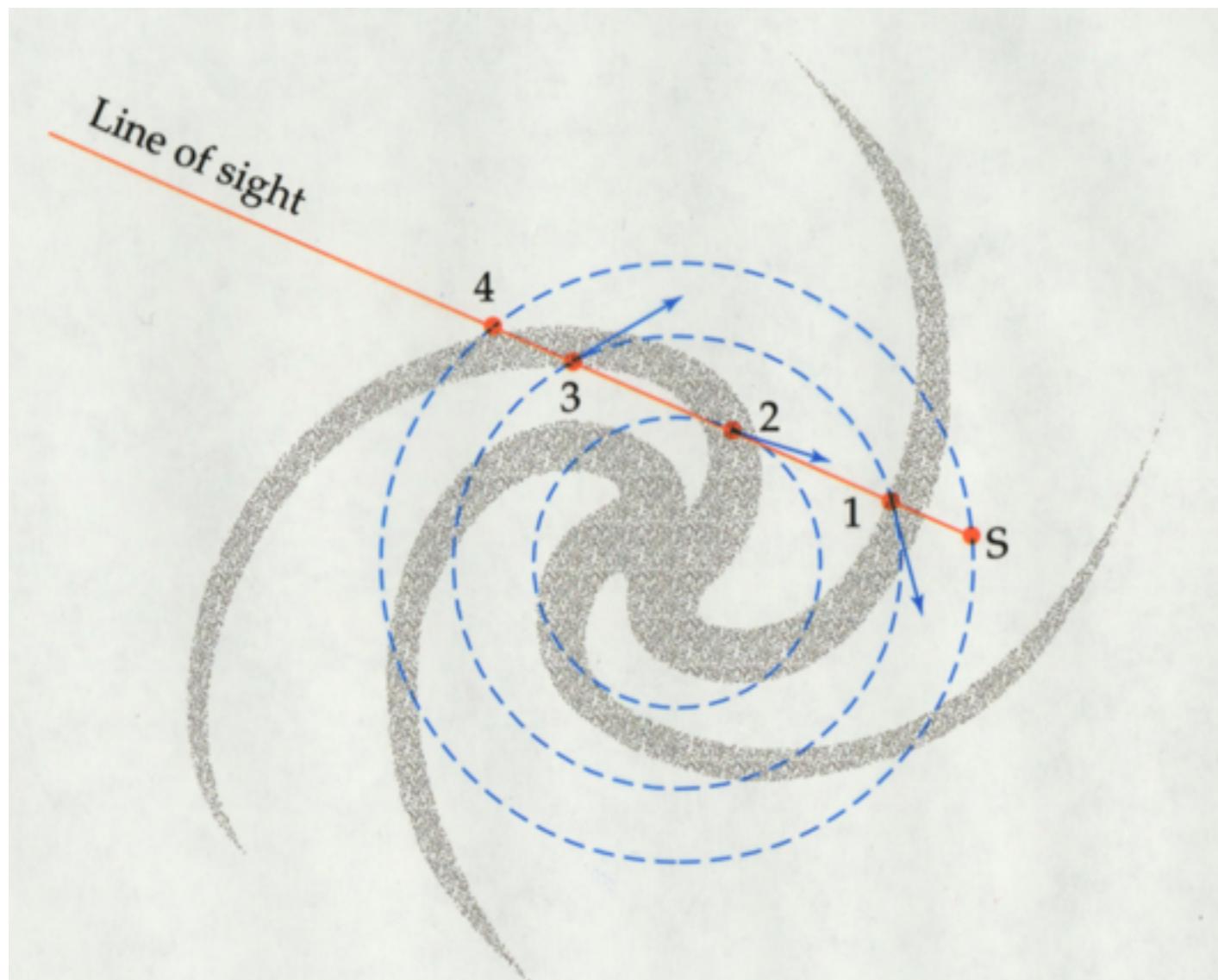


Range of previous slide



Recall discussion on Doppler Shift of 21cm radiation from H-I regions

*Spiral structure (?) of
the Milky Way Galaxy*



Dan P Clemens, Astrophysical Journal 295(1985)422

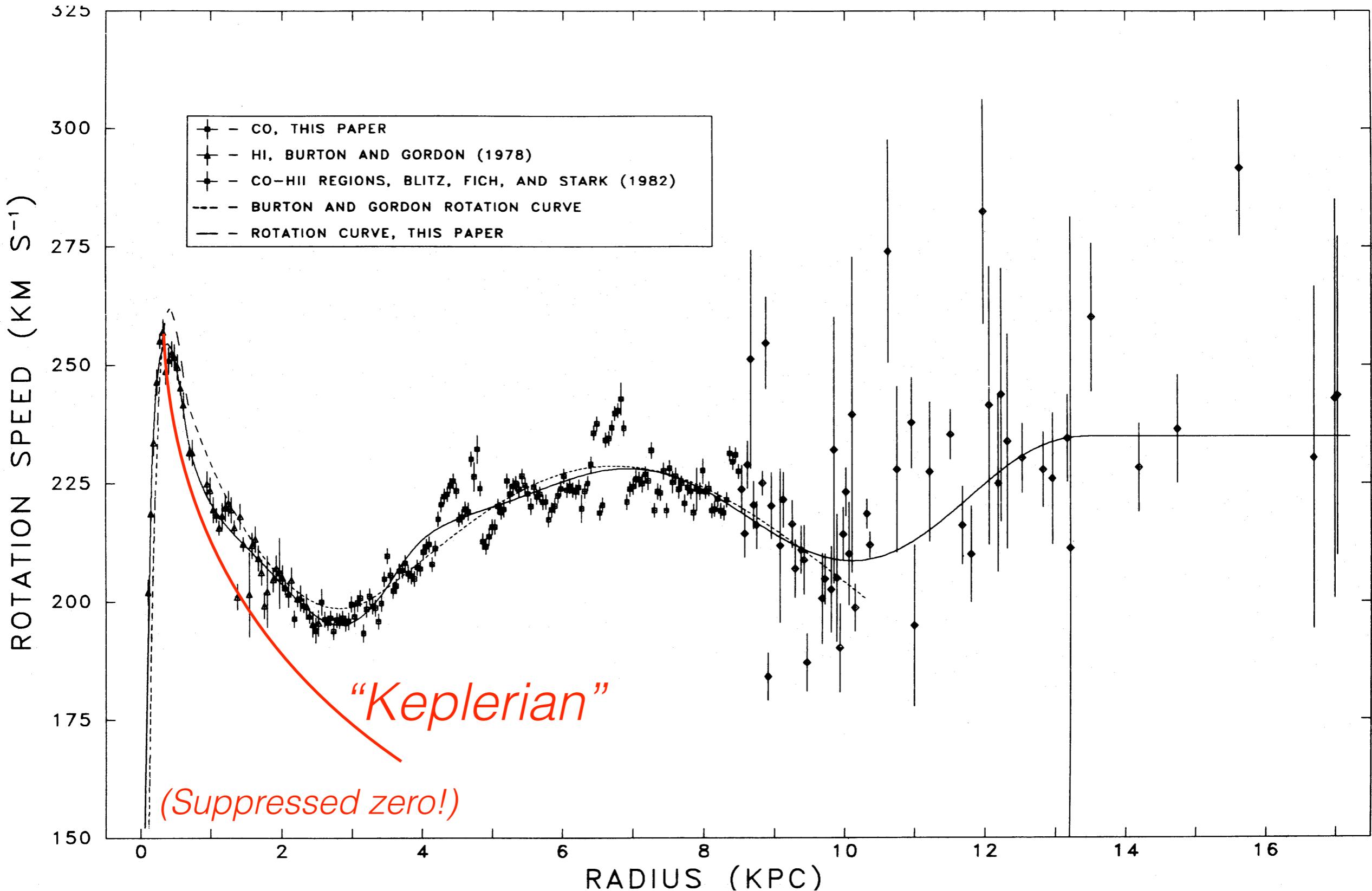
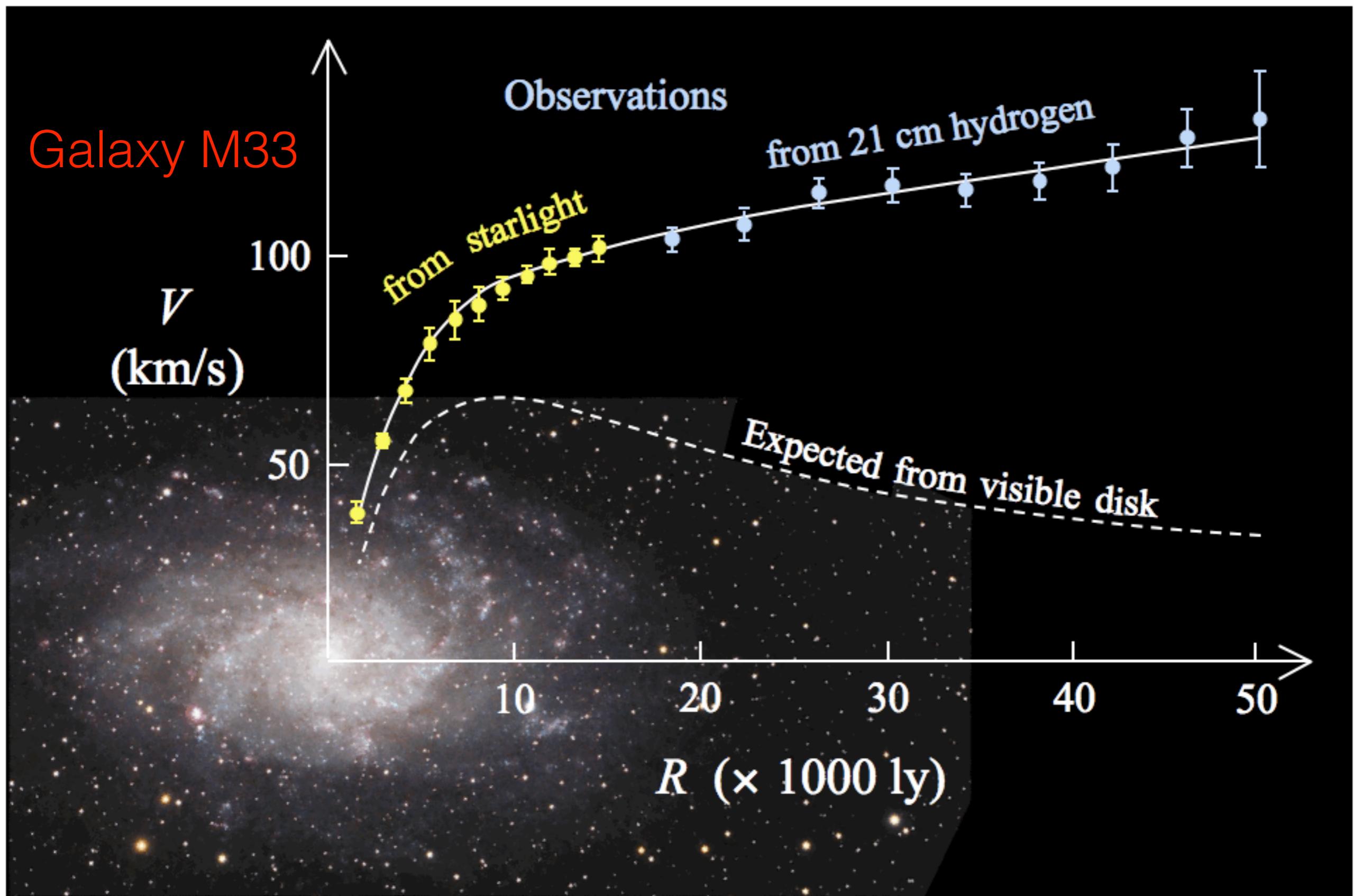
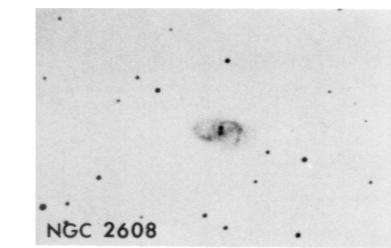
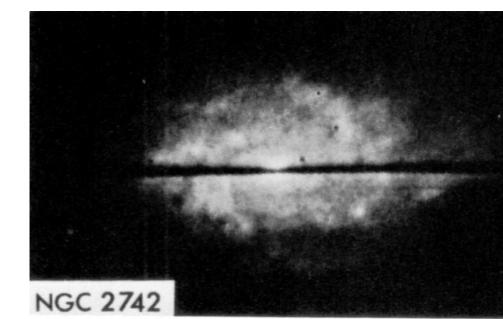
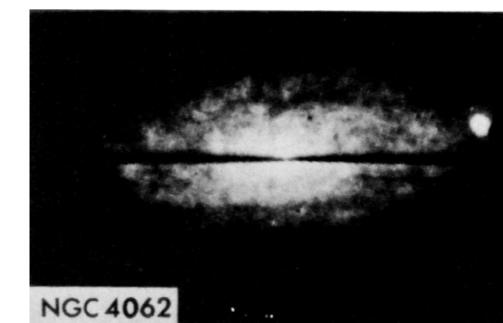
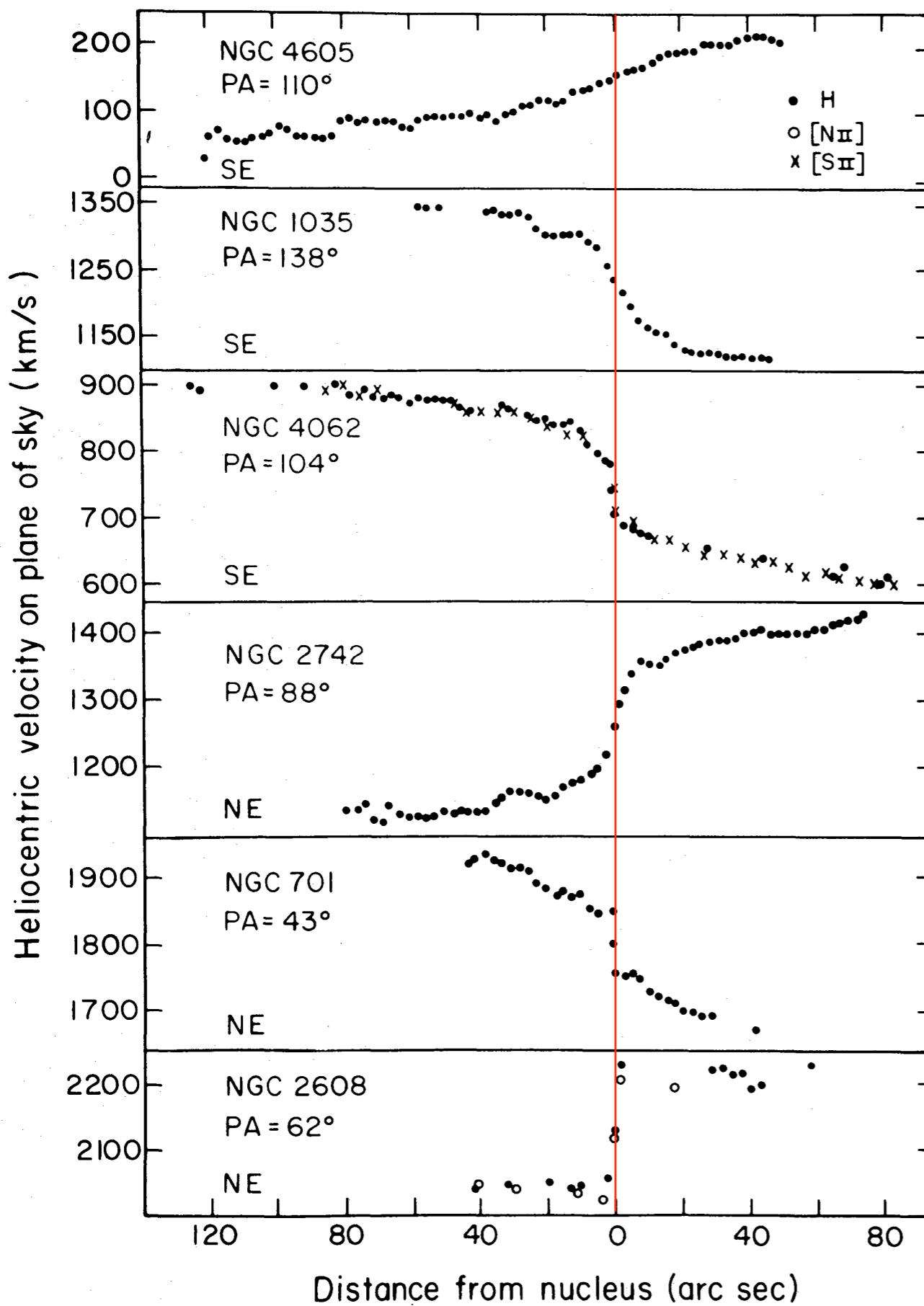
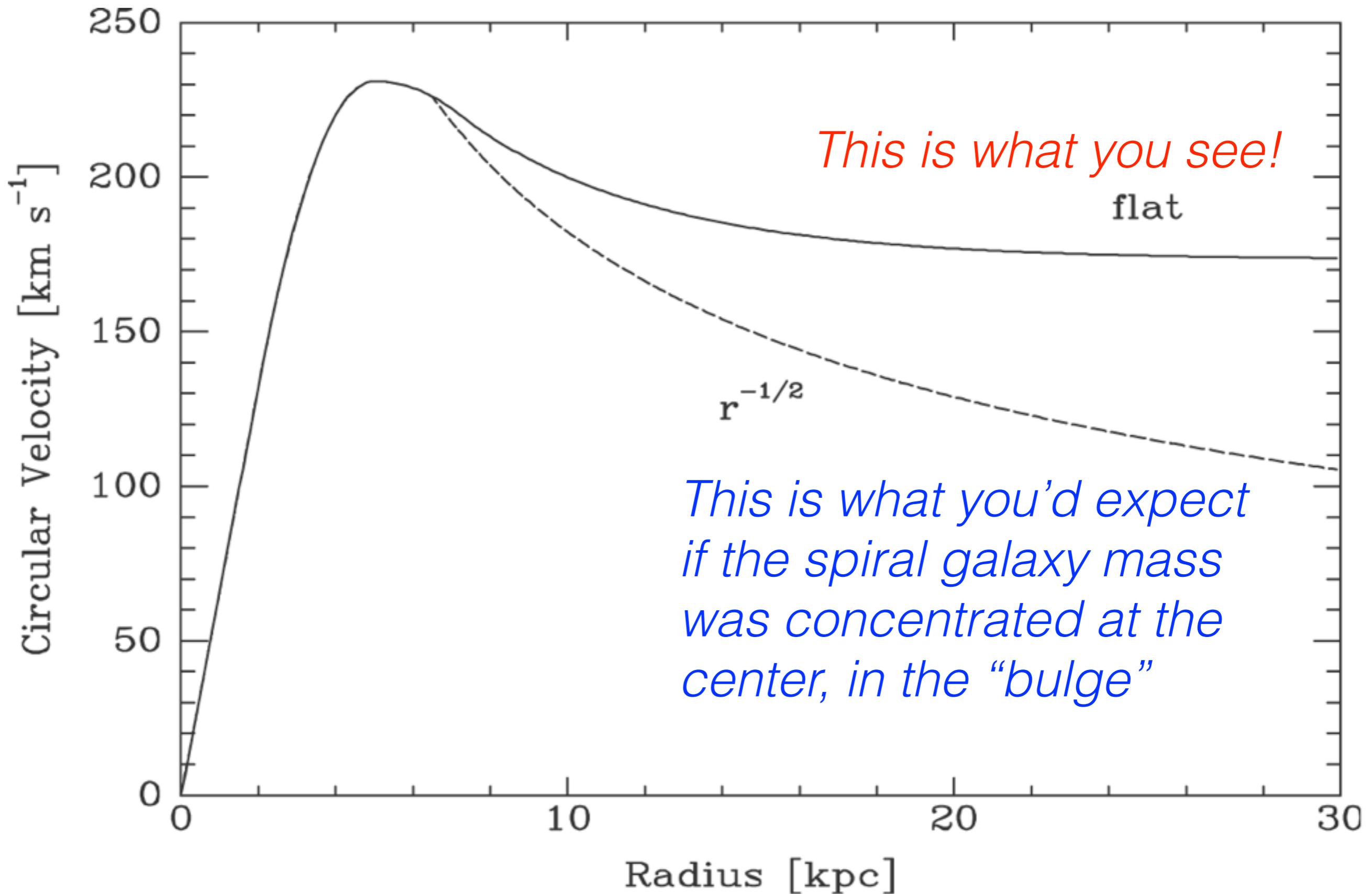


Figure: S. Deluca via Wikipedia





Maoz Figure 7.6



Maoz Figure 7.6

Alcock, Ap.J 542(2000)281

