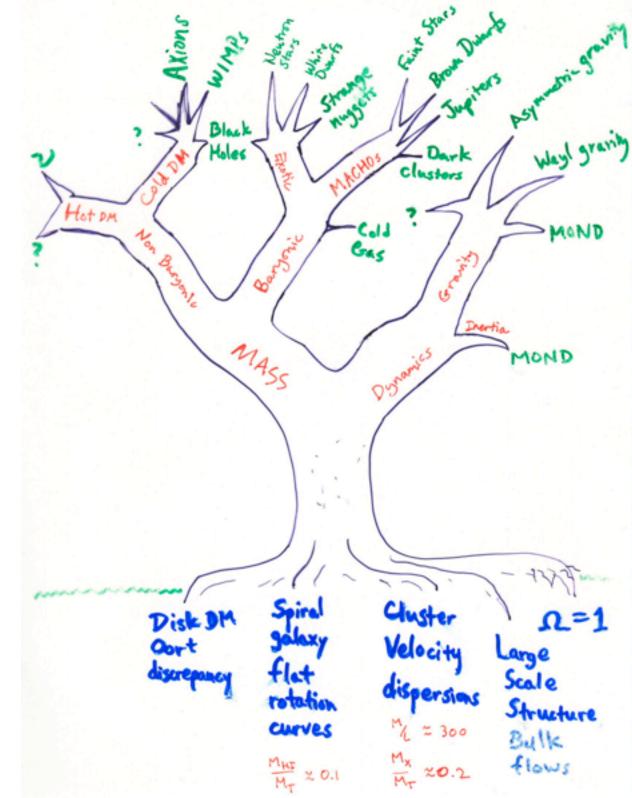
## DARK MATTER

ASTR 333/433 FALL 2013 M T 4:00-5:15PM SEARS 552

PROF. STACY McGaugh SEARS 573 368-1808

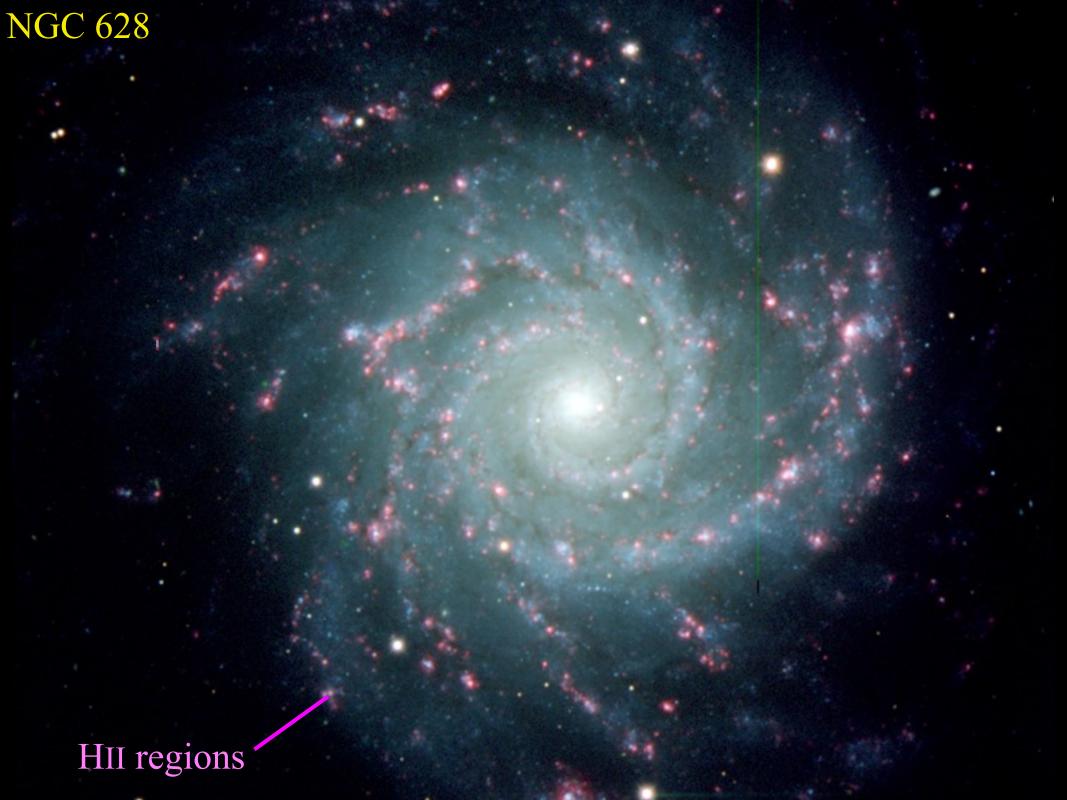
stacy.mcgaugh@case.edu



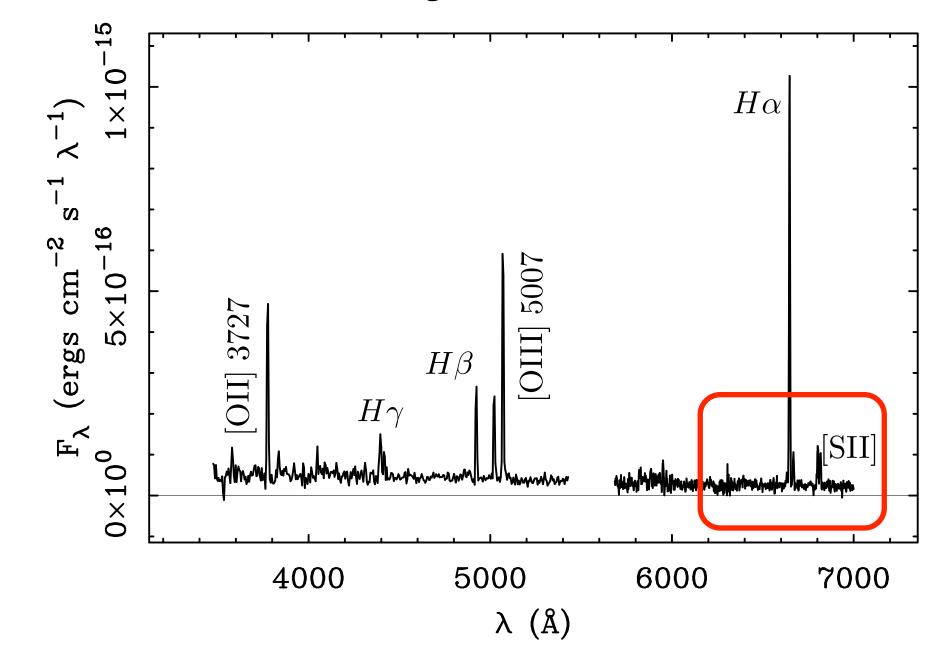


## Dynamical Theory

PHASE SPACE
Collisionless Boltzmann Equation
Integrals of Motion
Jeans Equations
Example Application



## HII region in UGC 1230



## Optical long slit spectrum along major axis of galaxy

Brightest emission is in HII regions, but there is also diffuse emission.

