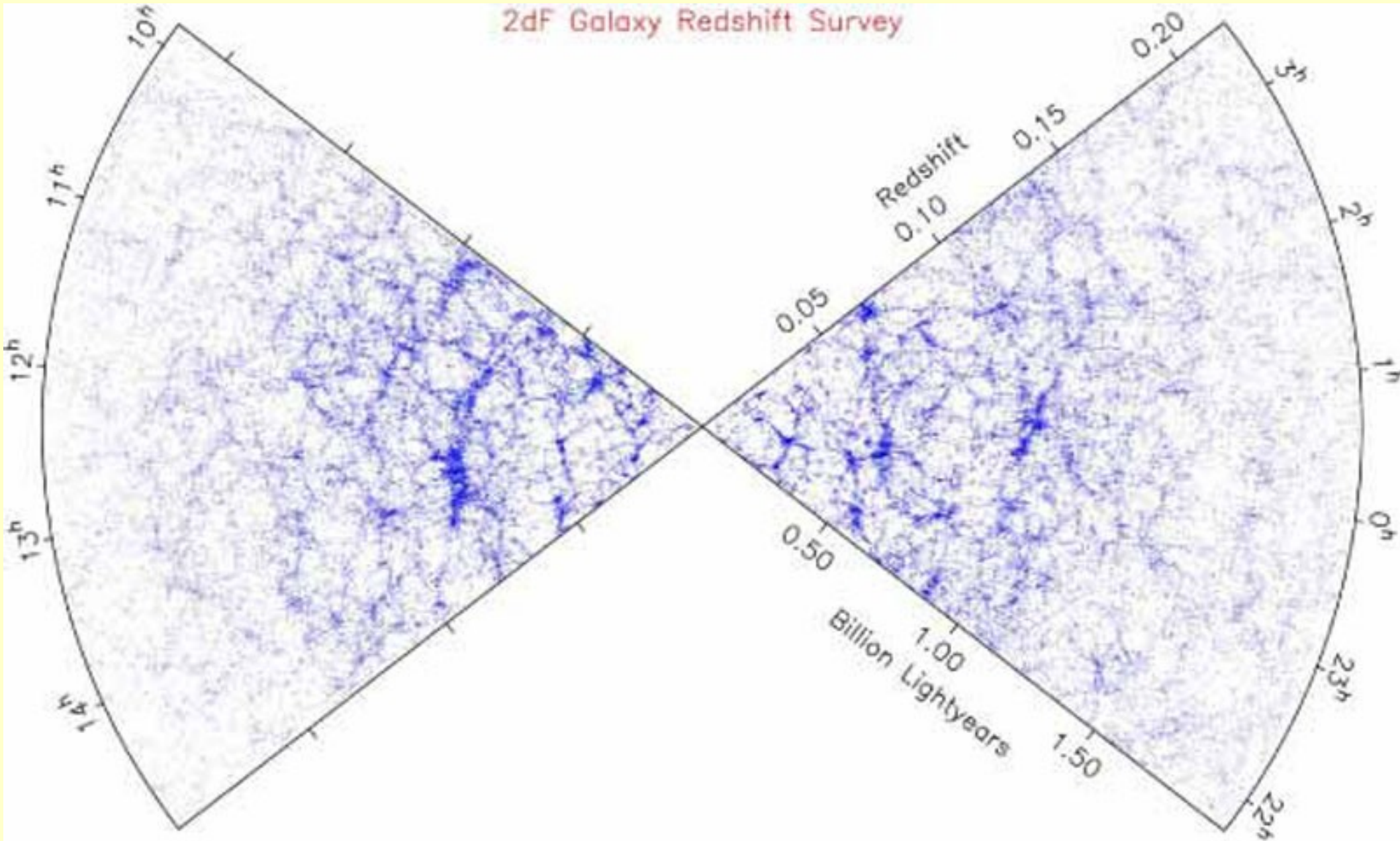
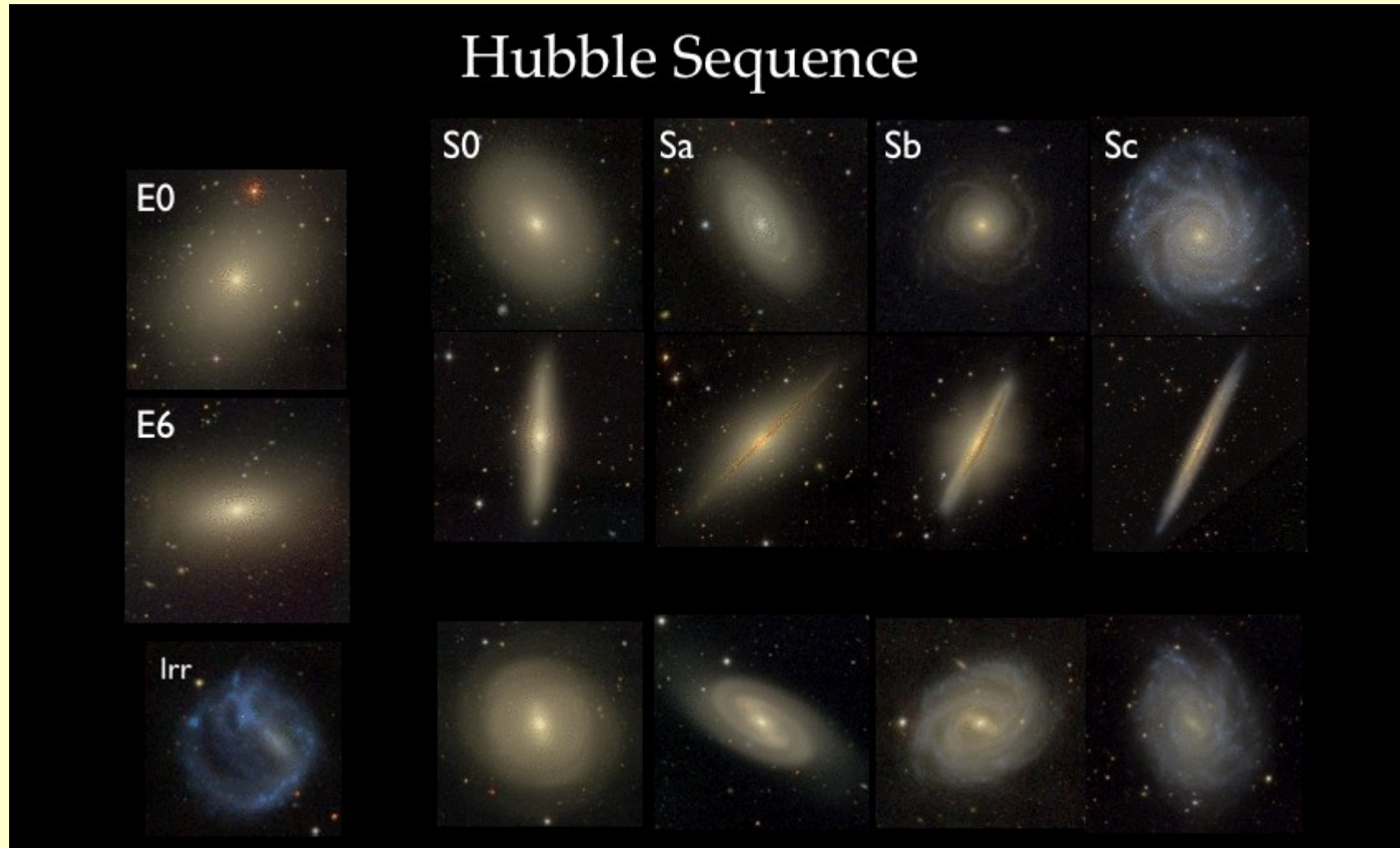


Galaxy distribution – Colless 2001



Galaxies differ for their morphologies



Credit to NASA-HST

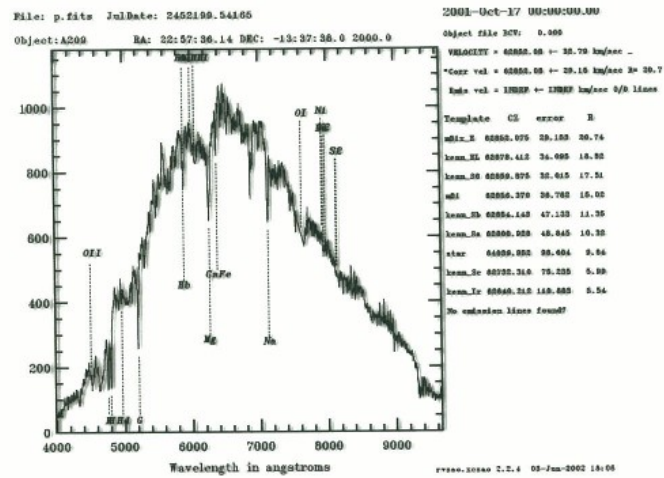
Merging Galaxies and Environmental Effects

Credit NASA – Martin – here you can see tails of the tidal interaction

Merger: 2 galaxies \rightarrow 1 galaxy

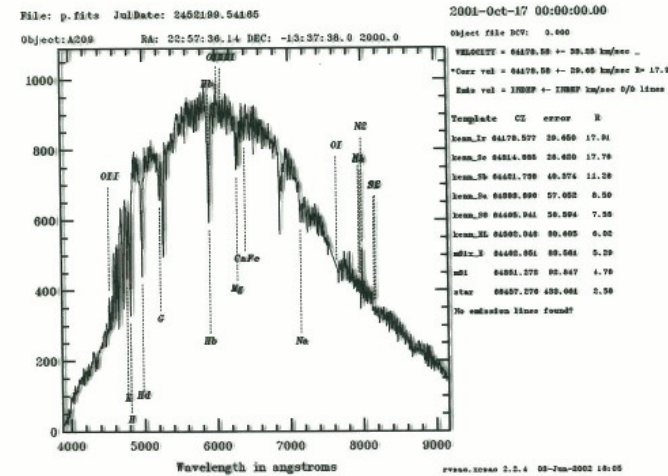


Galaxies differ for their spectra



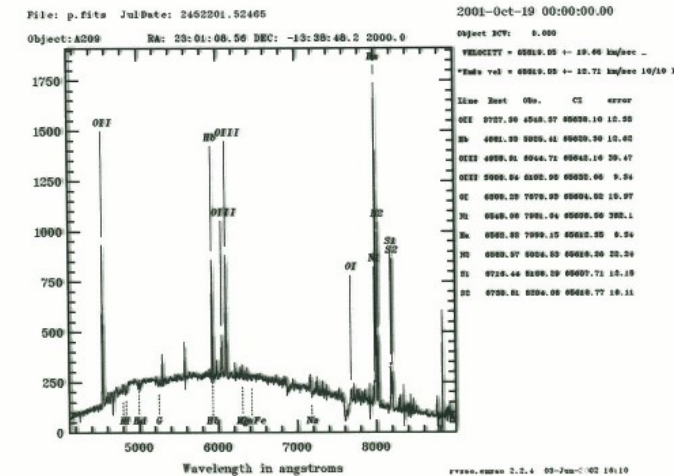
CD GALAXY

deep H β



E+A GALAXY

POST-STARBUST GALAXY?



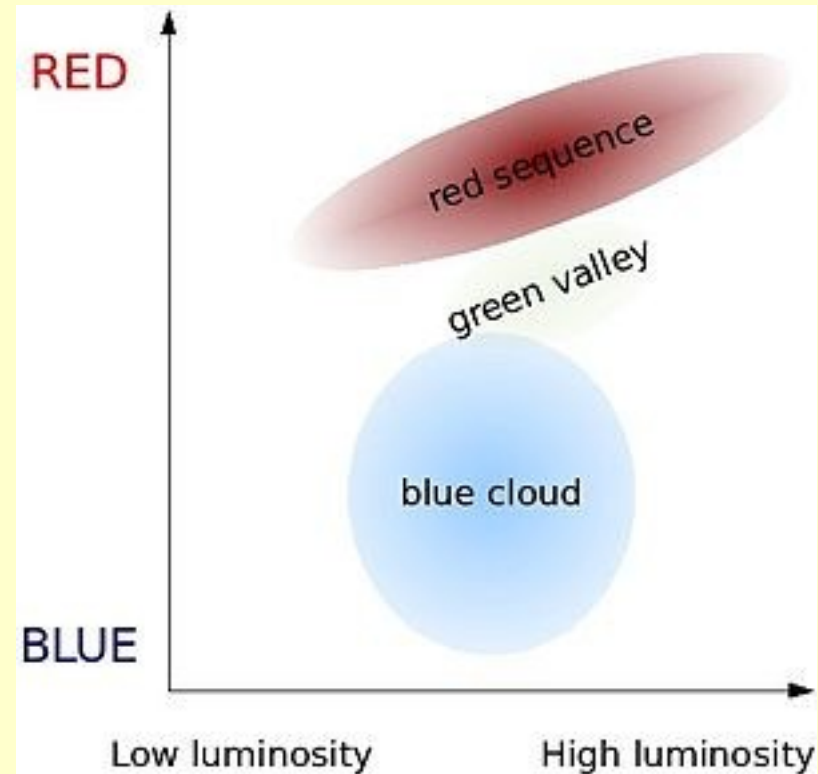
EMISSION LINE GALAXY

... STARBUST?

Abell 209
 Girardi+Mercurio(PhD)
 obs. NTT

Galaxies differ for their colors

Color-magnitude diagram



A mock-up of the galaxy color–magnitude diagram with three populations: the red sequence, the blue cloud, and the green valley. Credit to Wikipedia website

Galaxy dichotomy: EARLY TYPES Red Passive Spirals/Irregulars Galaxies
LATE TYPES Blue Star-Forming Ellipticals Galaxies

Color-Mag
Relation for
Cluster galaxies
in
MACSJ1206

Girardi+2015

Different
spectral types

