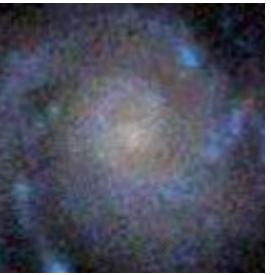


Diversity of Galaxies: “optical colors” and full Spectral Energy Distribution

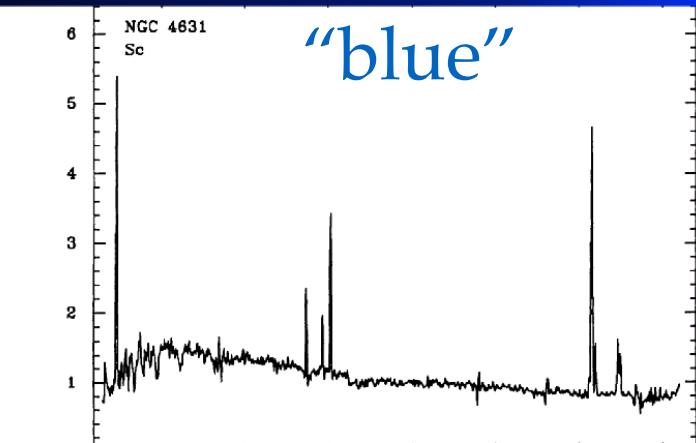
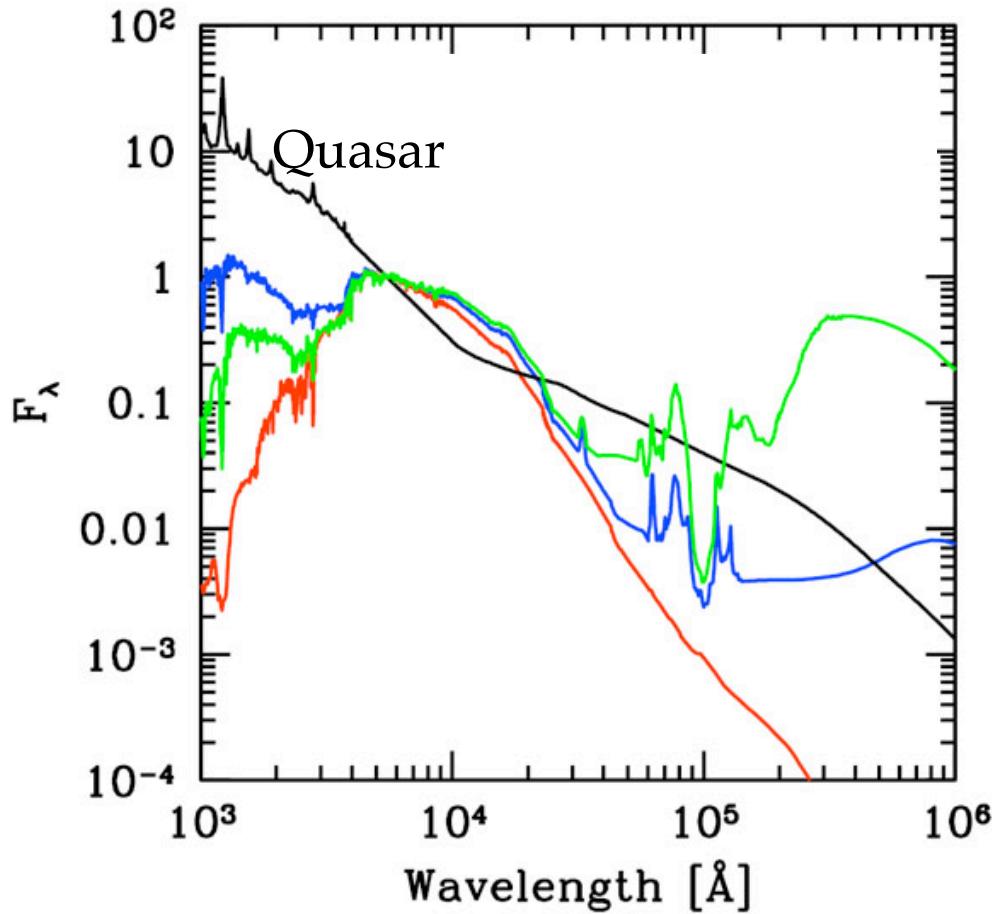
“blue”



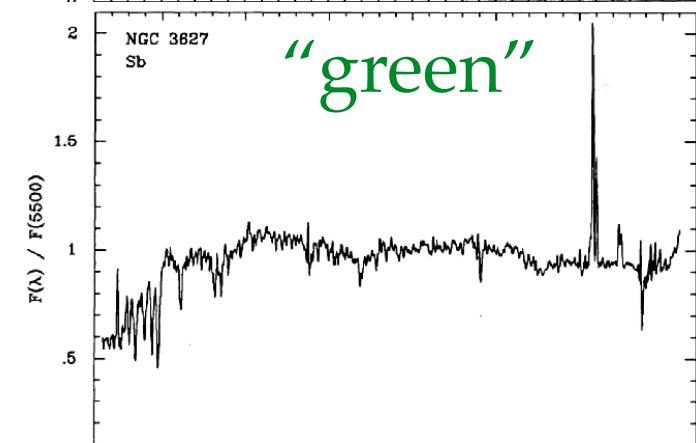
“green”



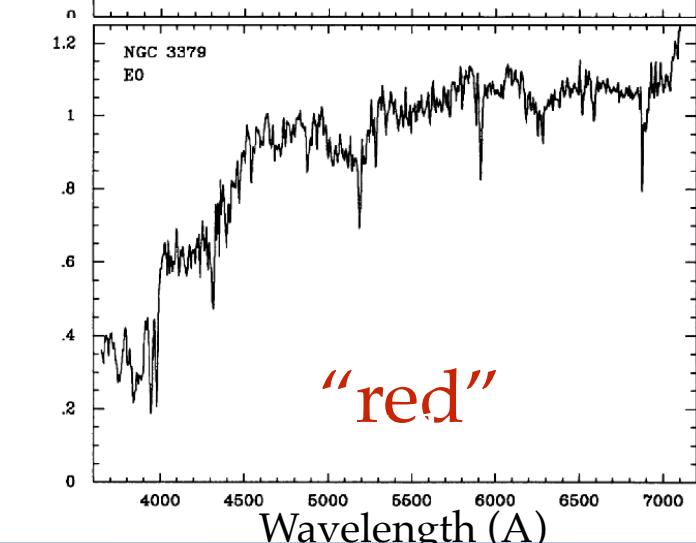
“red”



“blue”



“green”

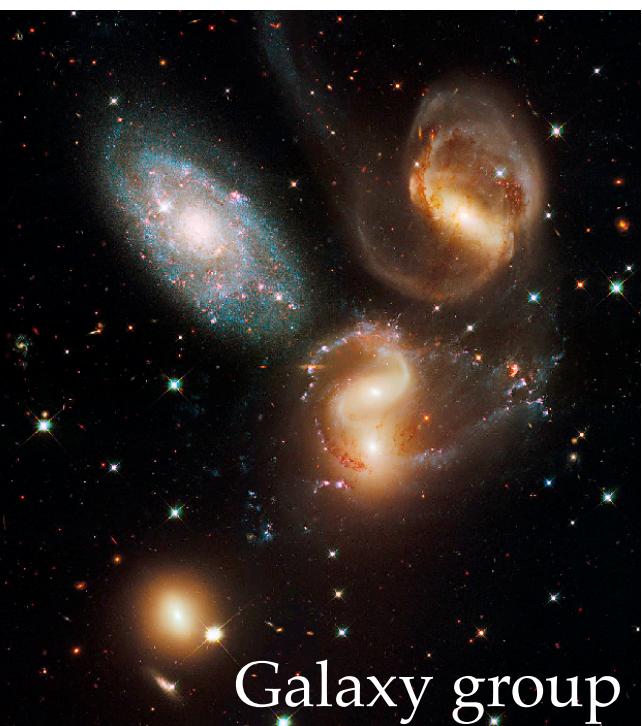


“red”

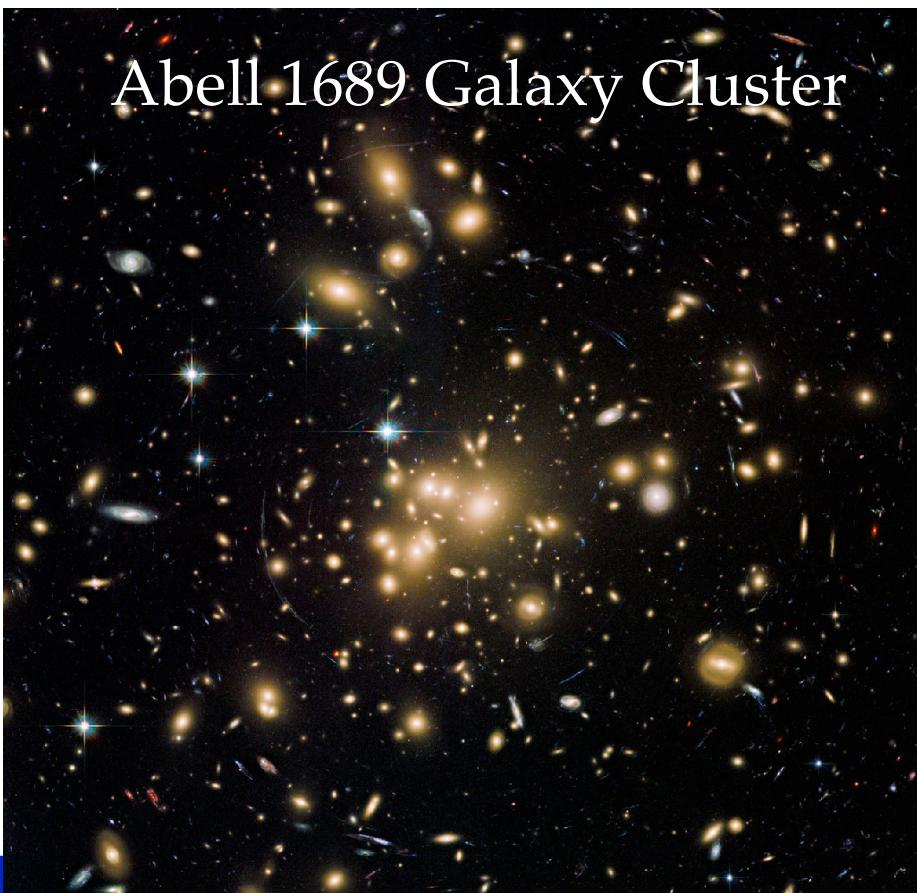
NB: these are all examples of local galaxies (redshift~0)

Diversity of Galaxies: galactic environments

“isolated” galaxy

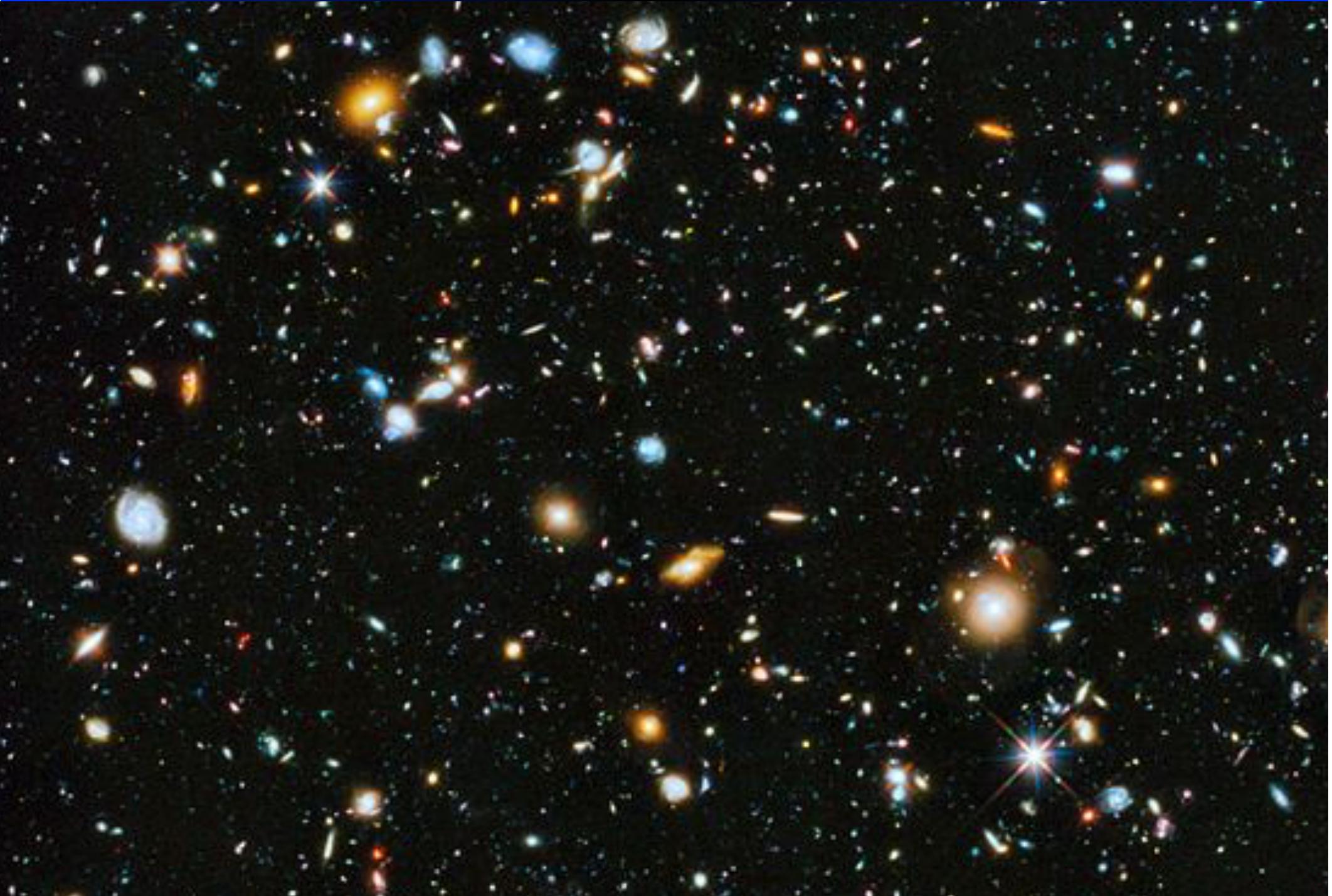


Abell 1689 Galaxy Cluster

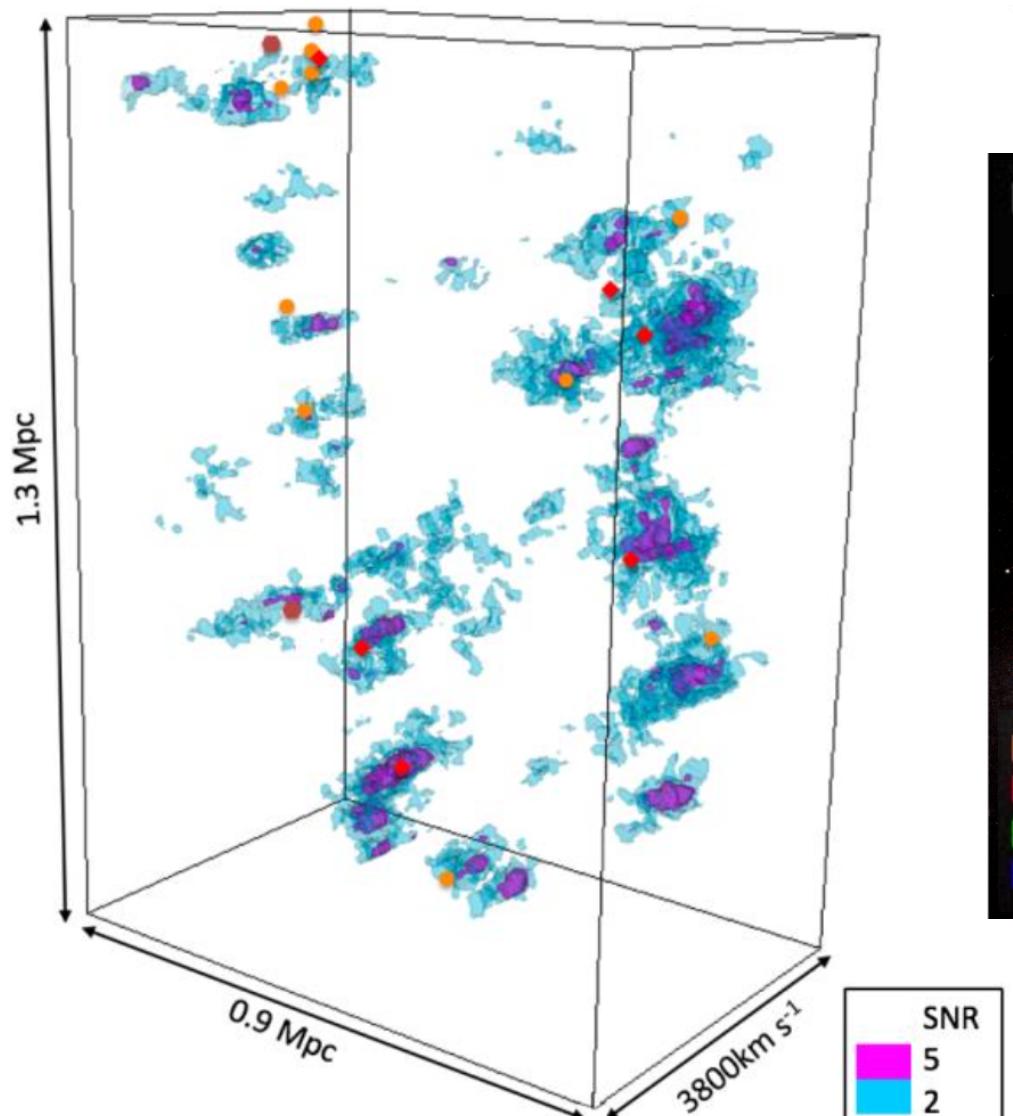


Galaxy group

Diversity of Galaxies: looking back in time



Galaxies and their “surroundings”



Hydrogen line (Ly α) emission around
distant galaxies (dots) at $z=3$ (Umeshata+19)

