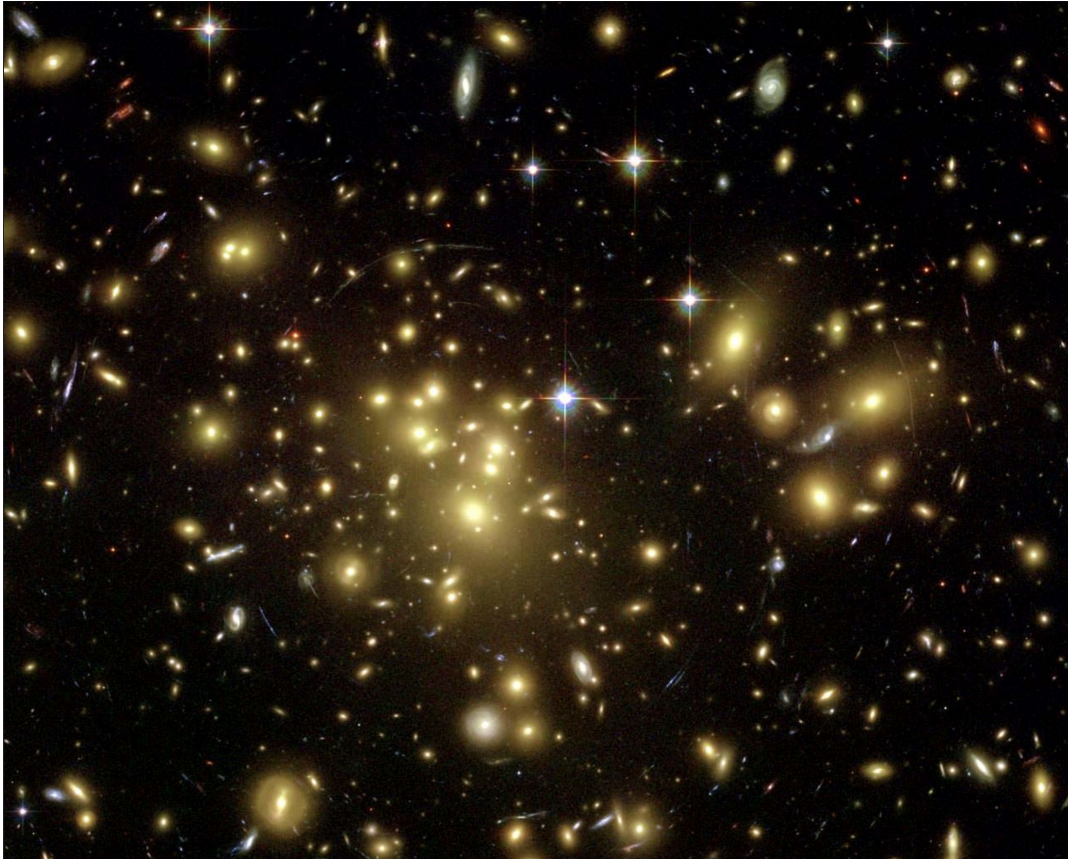


3. Galaxy distribution in massive clusters



Galaxy cluster Abell 1689 (Credit: NASA/ESA/STScI)

Accurately and precisely measuring cluster centres is crucial to infer cosmology from them

In this project you will use simulated clusters to study how well the cluster galaxies trace the barycentre of the dark matter & develop optimised center definitions

Theory Prerequisites: Physics I, Analysis, Astrophysics I
(rest will be learned on the fly)

Tools: big data handling in python