5min talk

No. 2

A Study of Galaxy Clusters and Large Scale Structures at z~1 in ELAIS-N1 field

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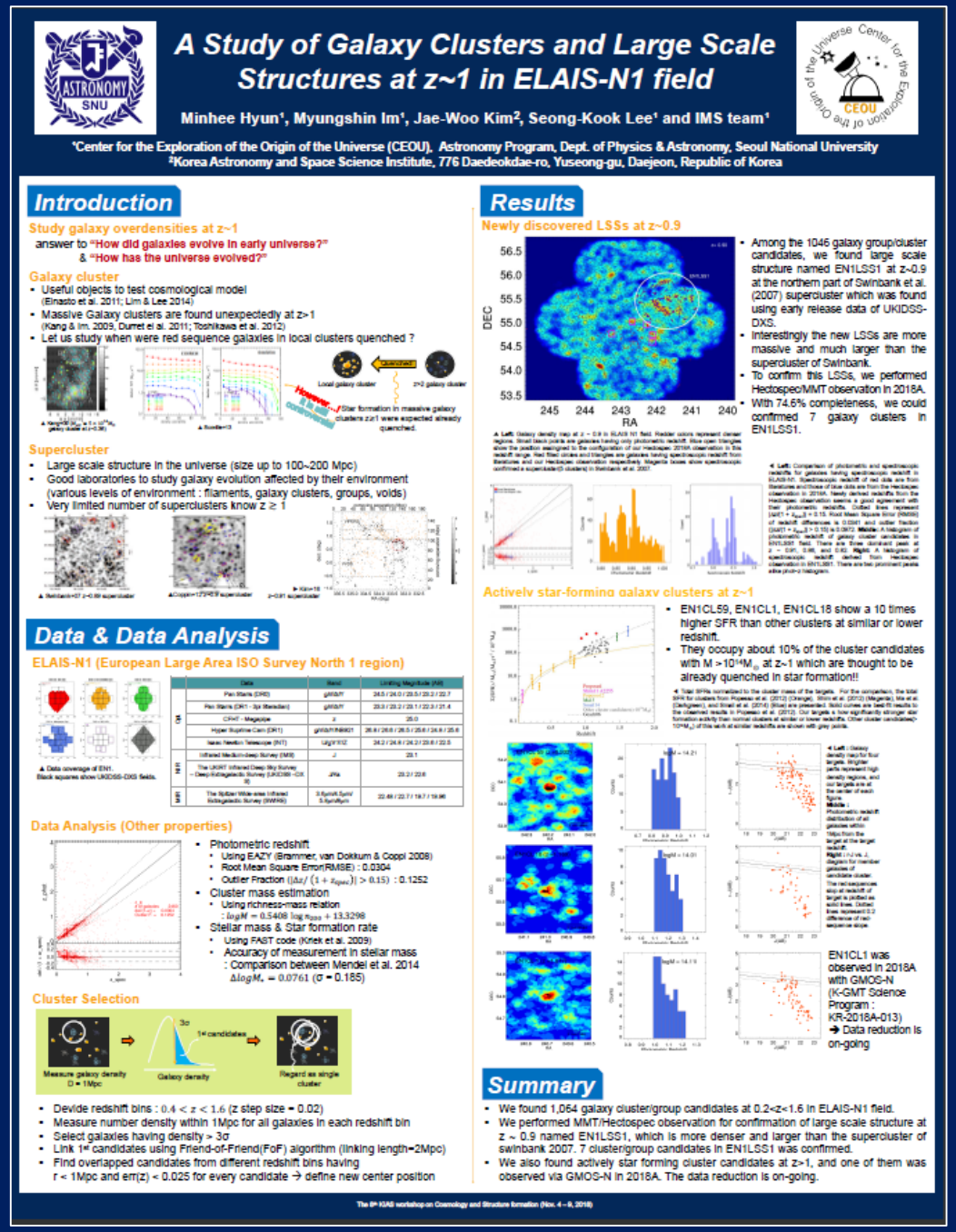


Introduction

Study galaxy overdensities at z~1?

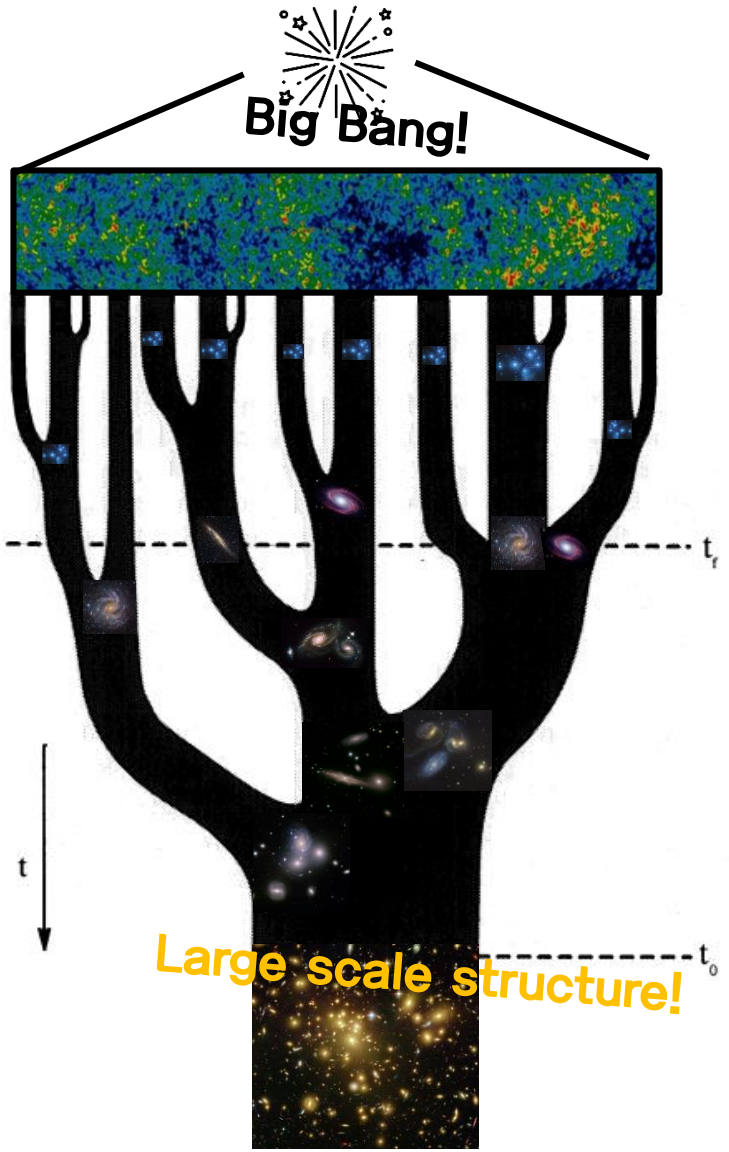
: answer to "How did galaxies evolve in early universe"
& "How has the universe evolved"

Galaxy cluster

- Useful objects to test cosmological model
- Massive Galaxy clusters are found unexpectedly at z>1
- When were red sequence galaxies in local clusters quen

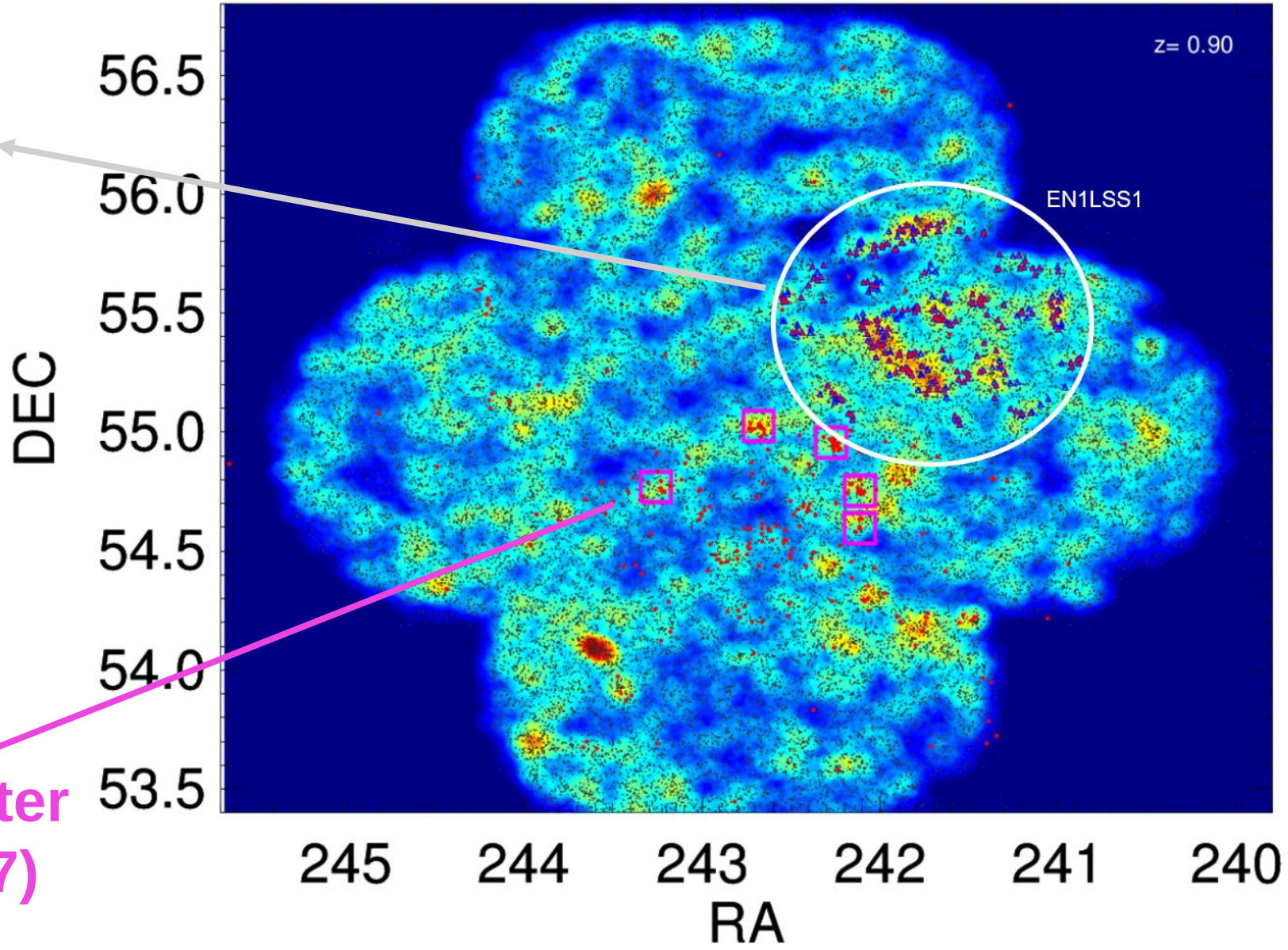
Supercluster

- Large scale structure in the universe (size up to 100~200
- Show various galaxy environment, filaments, galaxy clust
- Very limited number of superclusters know z ≳ 1



Results

Newly discovered Large scale structure at z~0.9 (spectroscopic obs. Hectospec/MMT in 2018A)



Swinbank's supercluster (5 cluster/groups, 2007)

Results

still star-forming in massive galaxy cluster at z ≳ 1? (spectroscopic obs. GMOS-N in 2018A)