

Other pieces of info about physical effects affecting galaxies

Stripping of HI and other matter from gals

<http://www.eso.org/sci/meetings/2010/almaherschel2010/Contributed%20Talks/Cortese.pdf>

ICM intracluster medium

mosaicICM.jpeg the X-ray emission at South East is a big galaxy/group which is infalling onto a cluster and losing its ICM likely due to ram pressure of the clusters

ICL intracluster light (likely due to the stripped matter from galaxies)

ICL trace the past interactions

a typical example of ICL

abell1914_RC_20121130_1arcsec.tiff

it is detected in a cluster with evidence of cluster-cluster interaction:

see also Barrena, Girardi, Boschini 2013 MNRAS 430, 3453

BCG_plus_ICLa1206.jpeg

A case of ICL well studied in a “CLASH” cluster survey

see also Presotto et al. 2014, A&A, 565, A126

A strange case of ICL (very bright so to be called “star pile”)

but not surrounding very bright central dominant galaxy

or bright interacting galaxies

figottico4a545.ps

figimage4a545.ps

Abell 545 is another merging cluster,

see also Barrena et al. 2011, A&A, 529, A128

CLASH-VLT cluster survey to study cluster mass distribution using

galaxy kinematics (based on Jeans equations and other methods)

based on a large programme at VLT=Very Large Telescope

P.I. P. Rosati, In Trieste Biviano, Girardi, Nonino, ...

<https://sites.google.com/site/vltclashpublic/home>

CLASH programme at Hubble telescope to study cluster mass distribution

through gravitational lensing (P.I. M. Postman)

<http://www.stsci.edu/~postman/CLASH/Home.html>