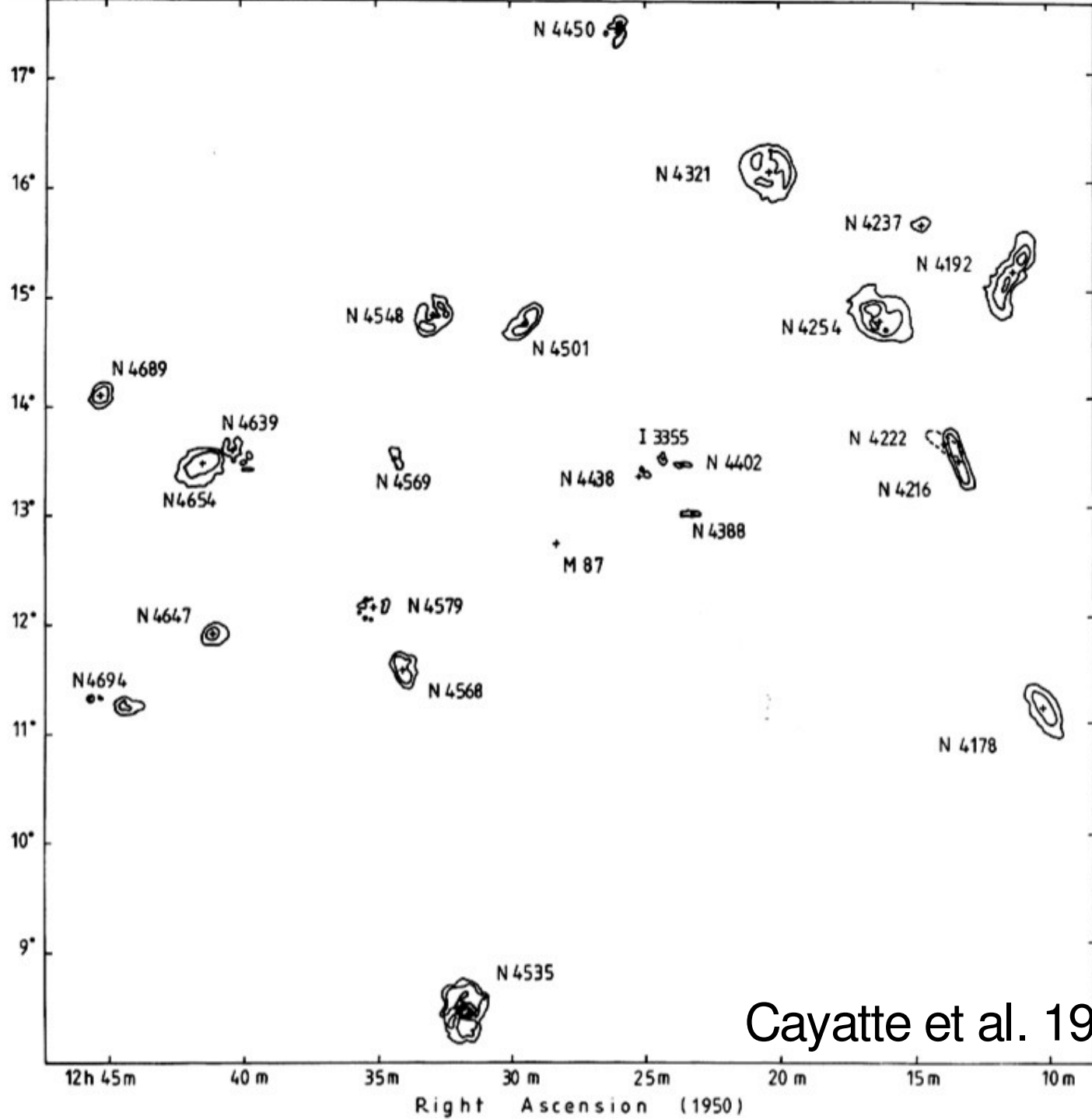
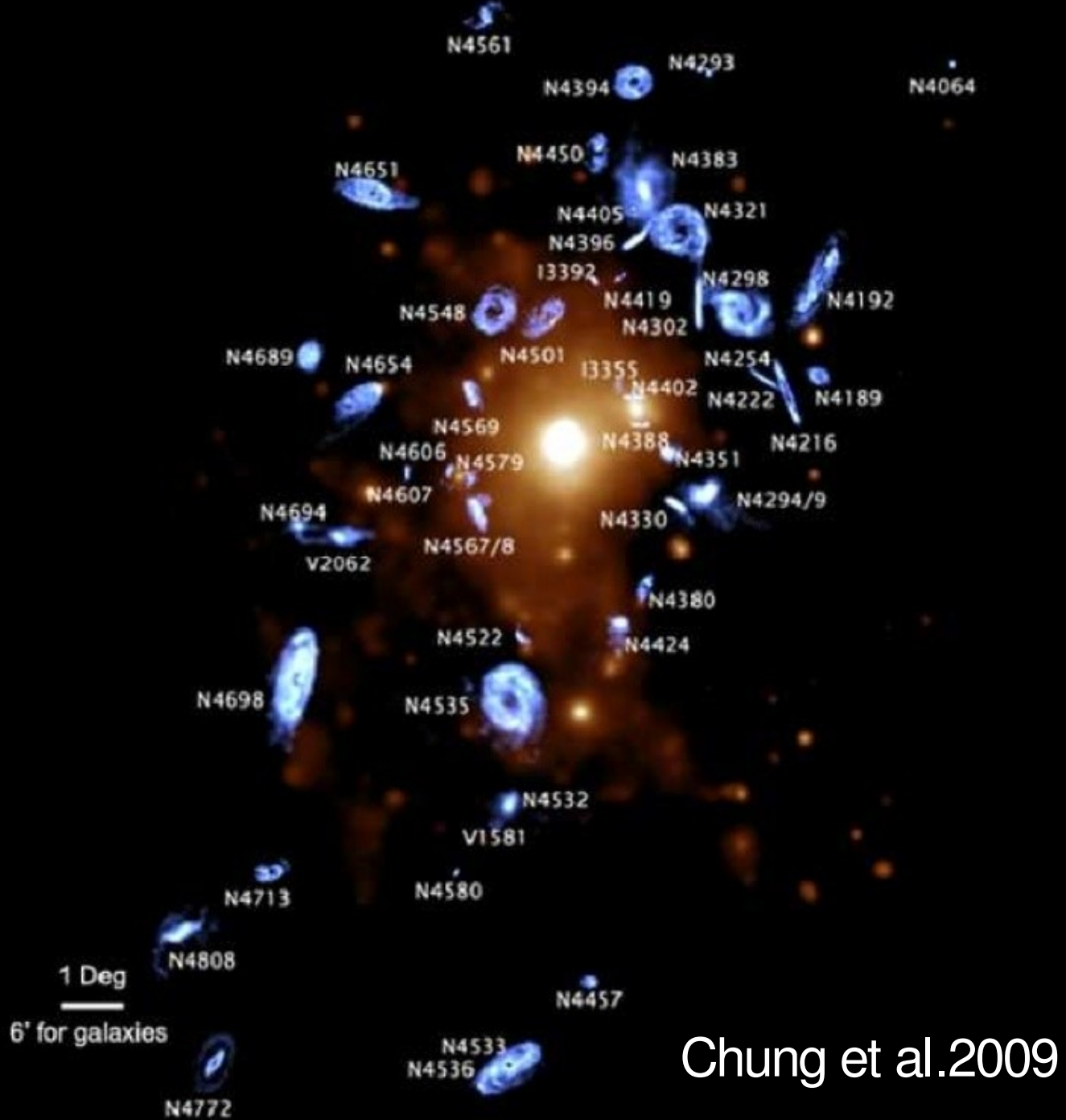


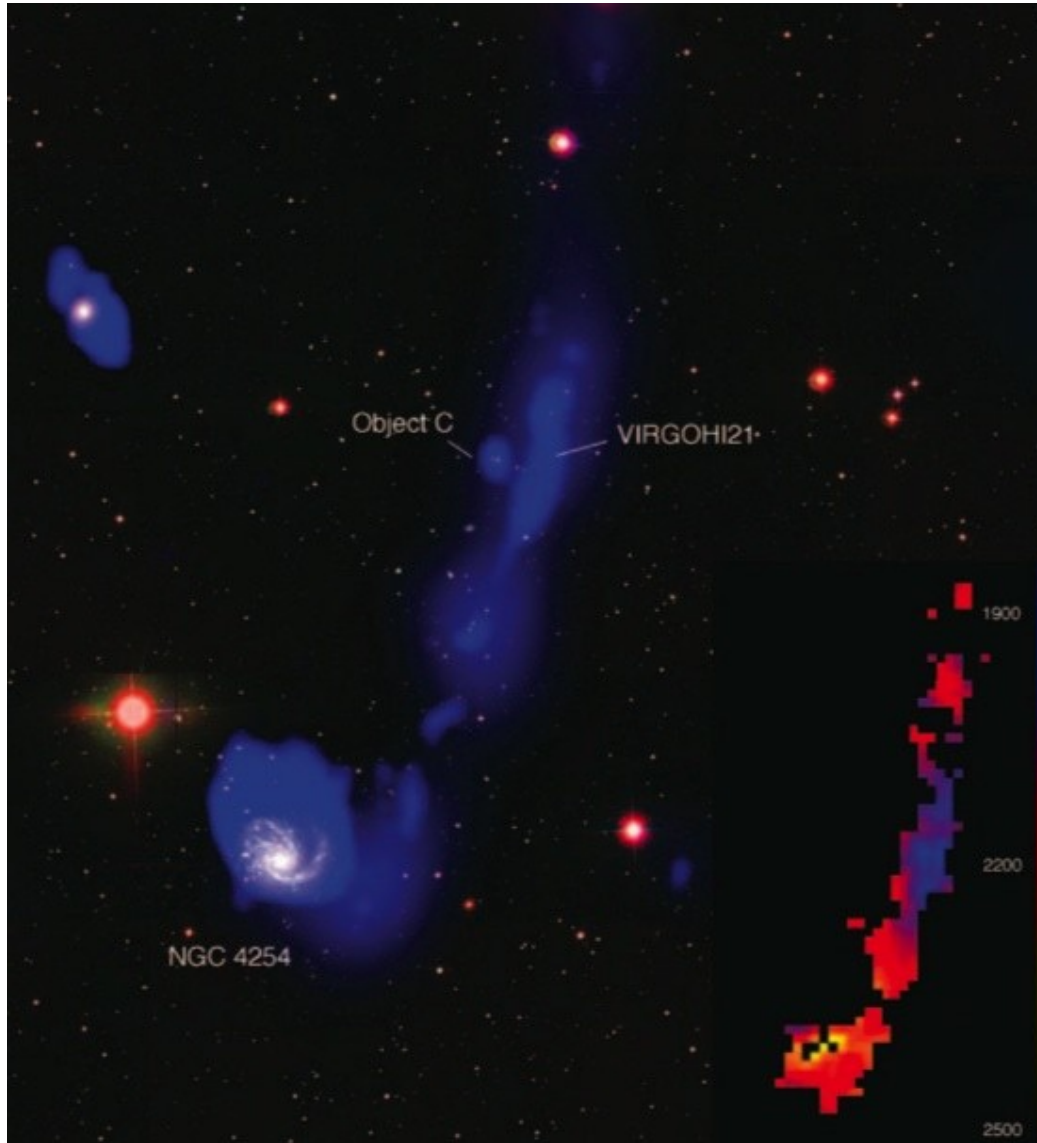
Deep HI Survey of the Virgo Cluster

C. Balkowski et al.



Cayatte et al. 1990



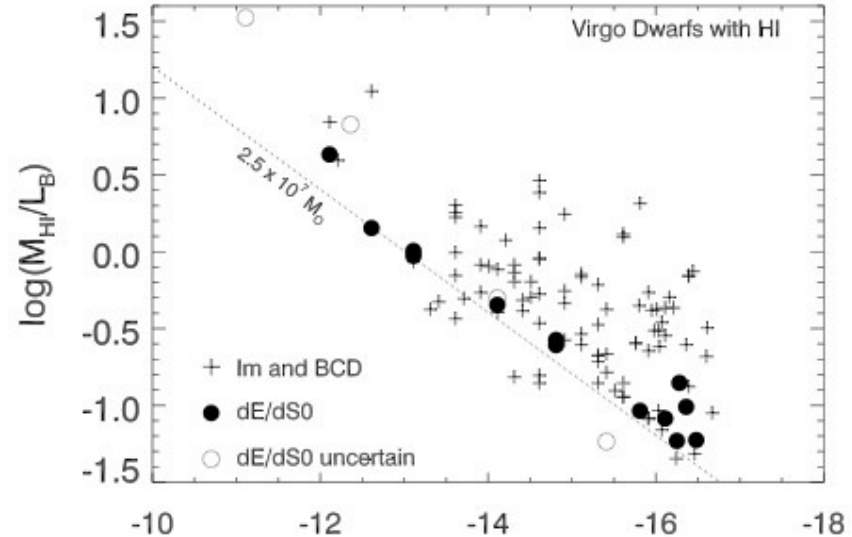
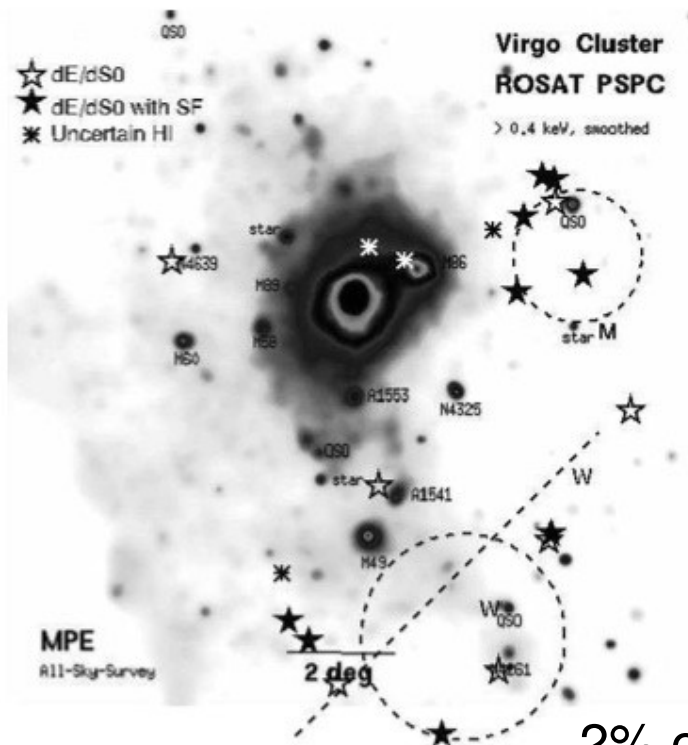


Duc et Bournaud 2008



Duc et al. 2007

ALFALFA Early type dwarf



2% of the early dwarf population
is detected

Figure 1. (a) Locations of dE/dS0 galaxies detected by ALFALFA in the declination range 4-16 degrees, superposed on a ROSAT map of the Virgo Cluster (Boehringer *et al.* 1994). The approximate locations of the M, W', and W clouds (Binggeli, Popescu, & Tammann 1993) are indicated. Solid symbols denote dE/dS0 with H α emission. (b) Log M_{HI}/L_B vs M_B for detected dwarfs. The dotted line shows the completeness limit for a galaxy with an HI mass of $2.5 \times 10^7 M_{\odot}$ at the Virgo distance. In both figures, four dE/dS0 with uncertain HI detections are separately indicated.

Projets de surveys HI

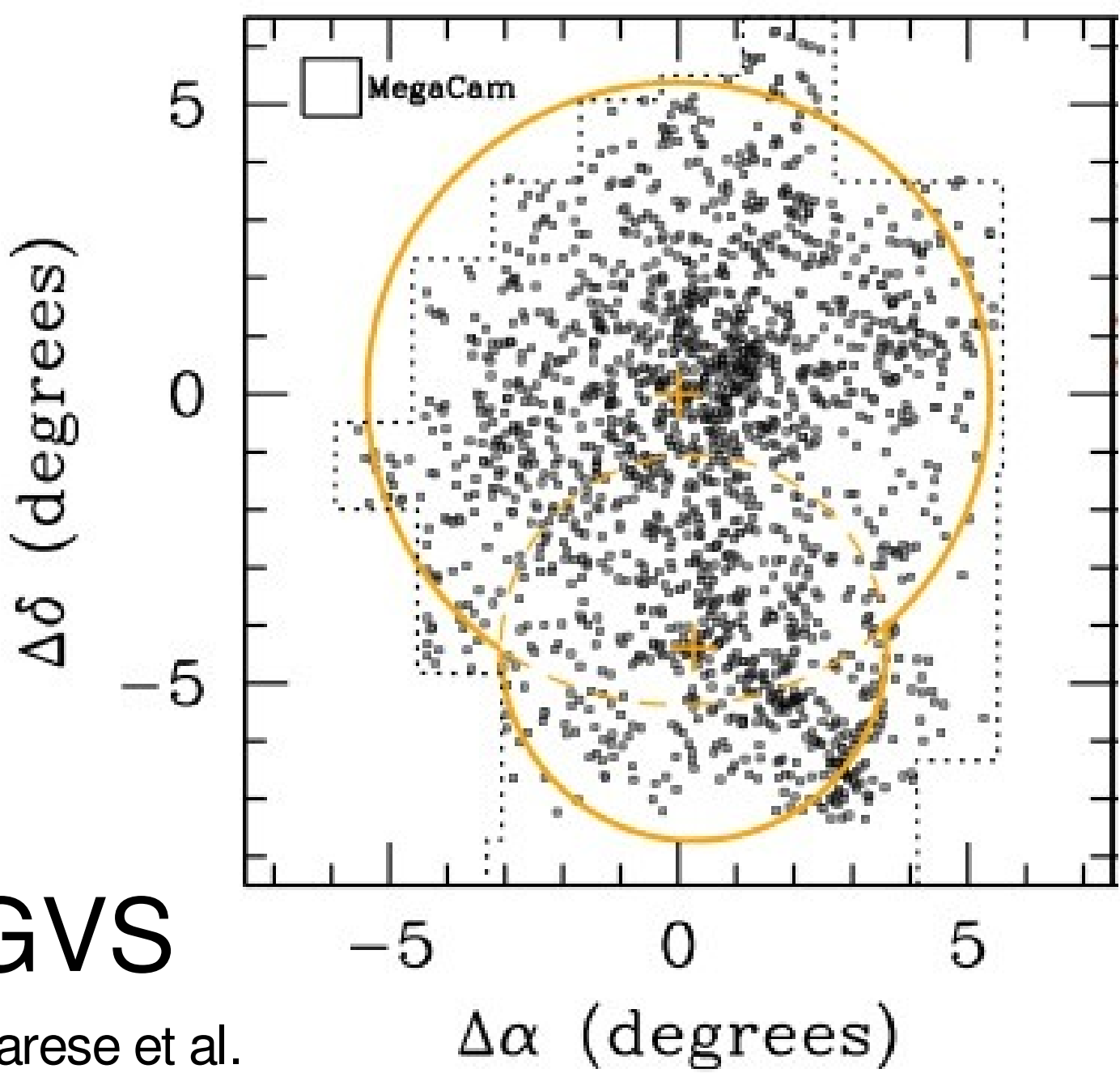
- **Amas de la Vierge**
100 sq. deg, lim $M_{\text{HI}} 5 \cdot 10^6$
en 100 jours (MeerKAT)
- **Amas à différents z**
Z limite actuel en HI de l'ordre de 0.03,
quelques amas à 0.3

Projets d'accompagnement

- Photométrie: NGVS
- Cinématique: 3DNTT

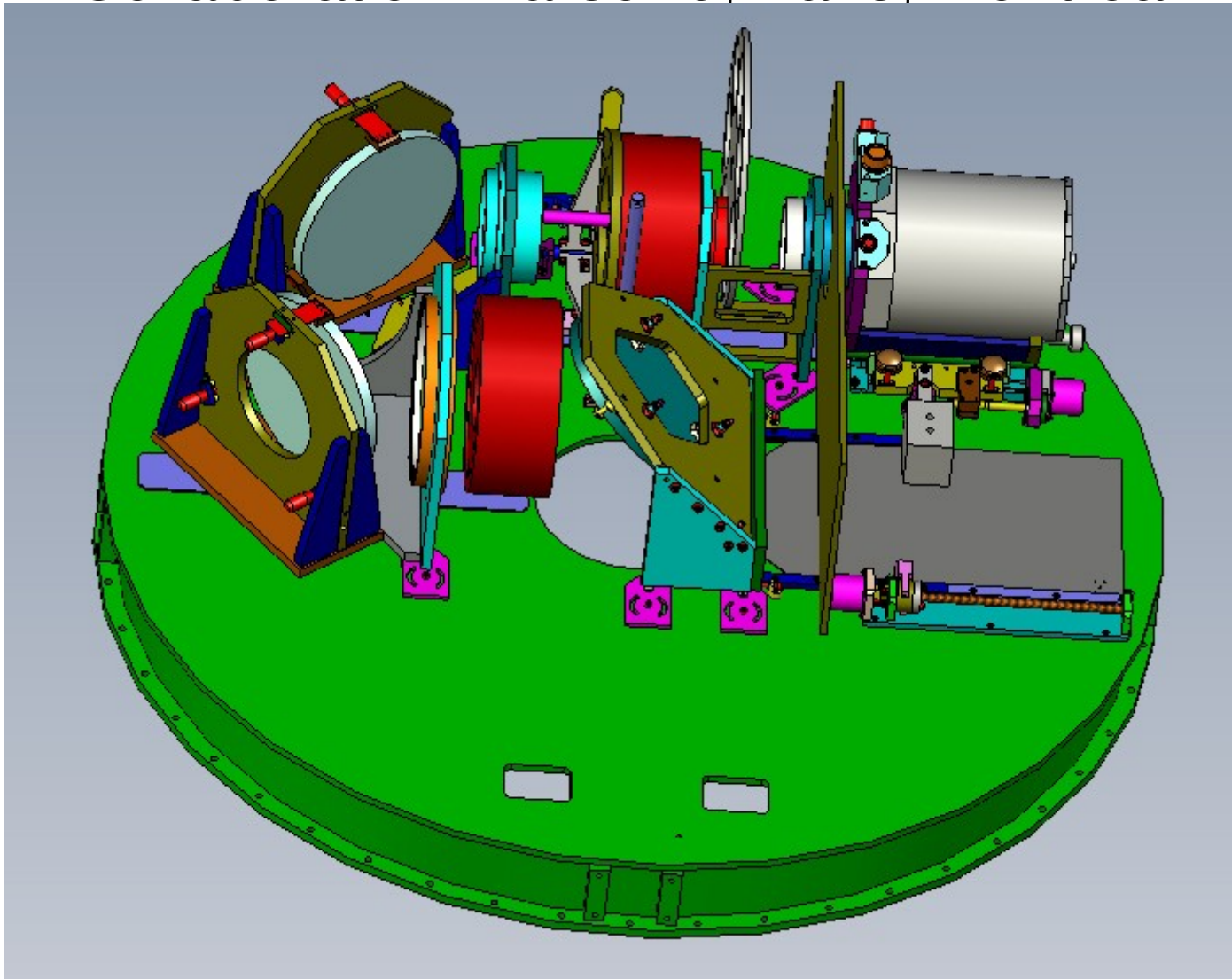
NGVS

Ferarese et al.



Design du 3D-NTT

Collaboration Marseille, Paris, Montréal



Instrument visiteur au NTT, fin 2010, PI Marcelin

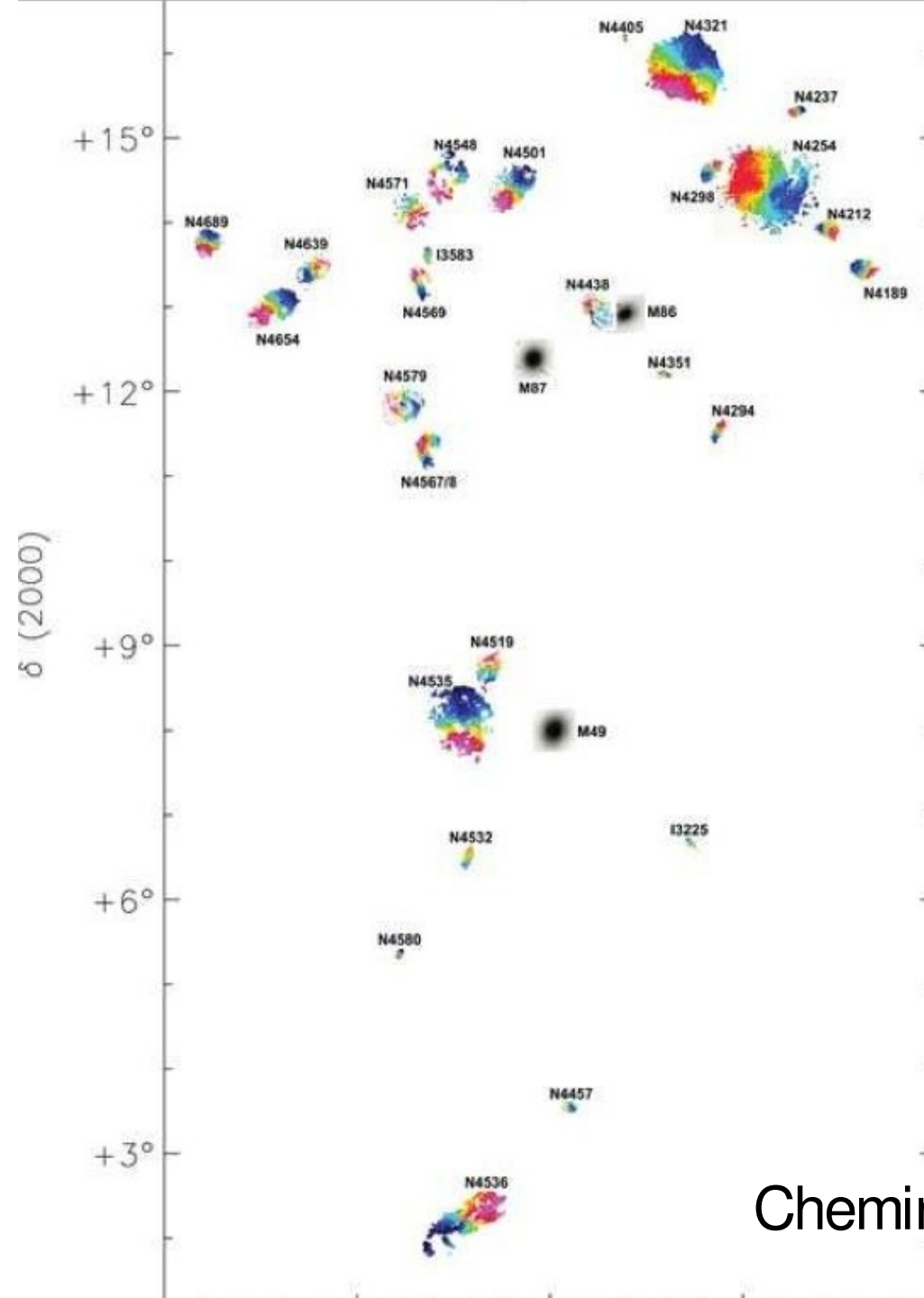
The two modes of the 3D-NTT

TUNABLE FILTER MODE (R ~ 500 à 1000) monochromatic images

- Field of view ~ 17' x 17'
- Wavelength range 350nm to 850nm
- Spectral resolution : tunable from 500 to 10 000 (@H α)
- Detector CCD (4096 x 4096 with 12 μ m pixels) scale: ~ 0.25"/pixel

HIGH RESOLUTION MODE (R ~ 10 000 à 20 000) Velocity fields

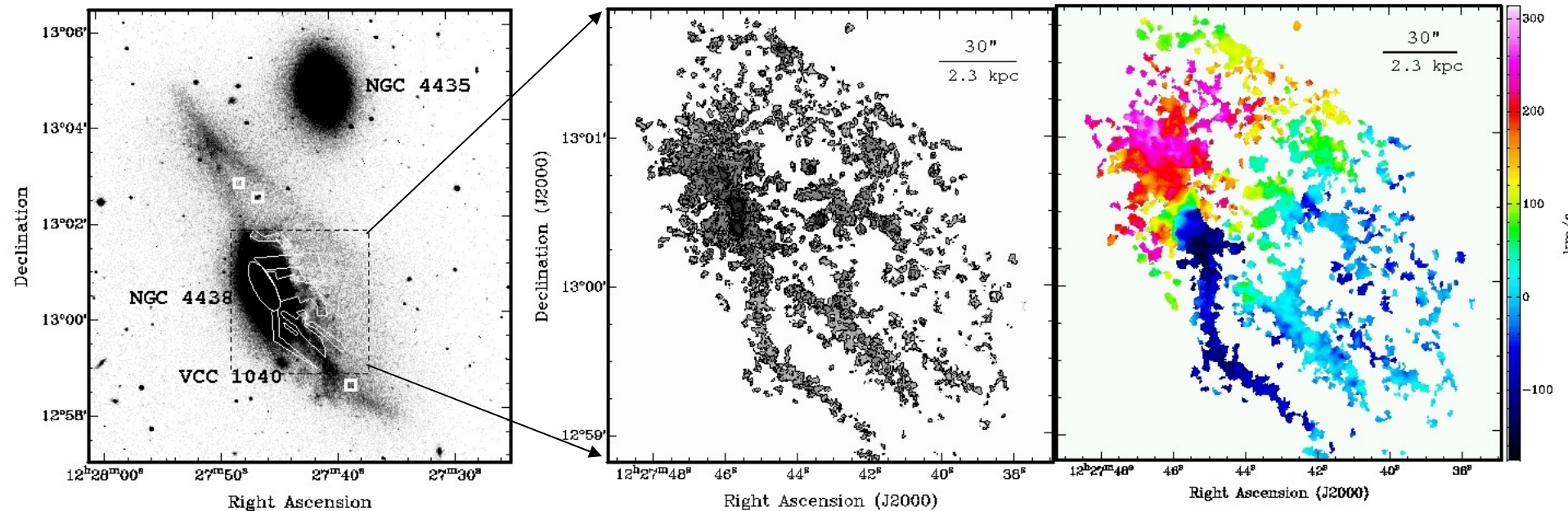
- Field of view ~ 8.5' x 8.5'
- Wavelength range 350nm to 850nm
- Spectral resolution : from 10 000 to 40 000 (@ H α)
- Detector : L3CCD (1600 x 1600 with 16 μ m pixels) scale: ~ 0.33"/pix

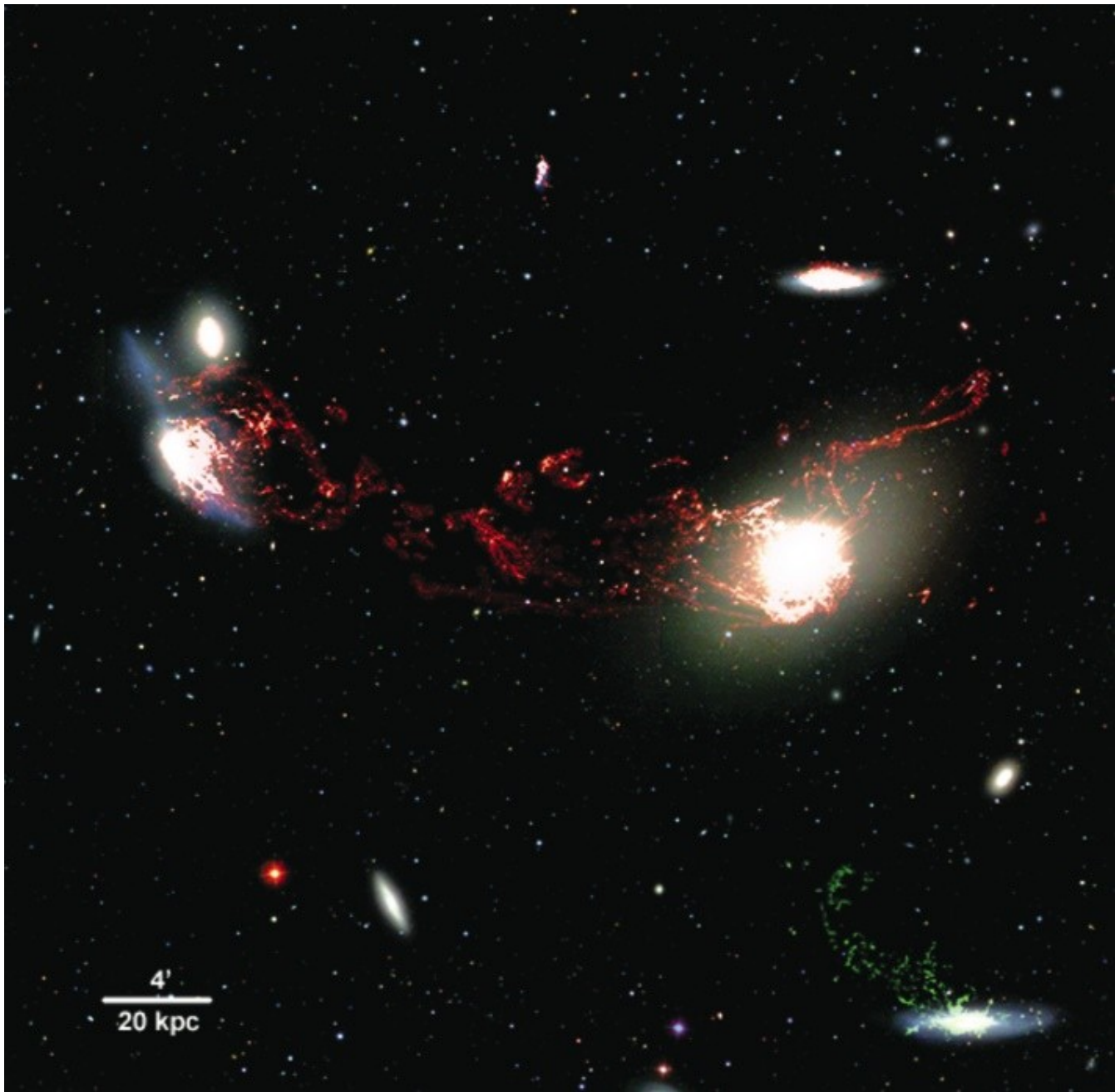


Chemin et al. 2006

High Resolution mode: Virgo Cluster

NGC 4438 = Prototype of a galaxy interacting with ram pressure stripping and companion



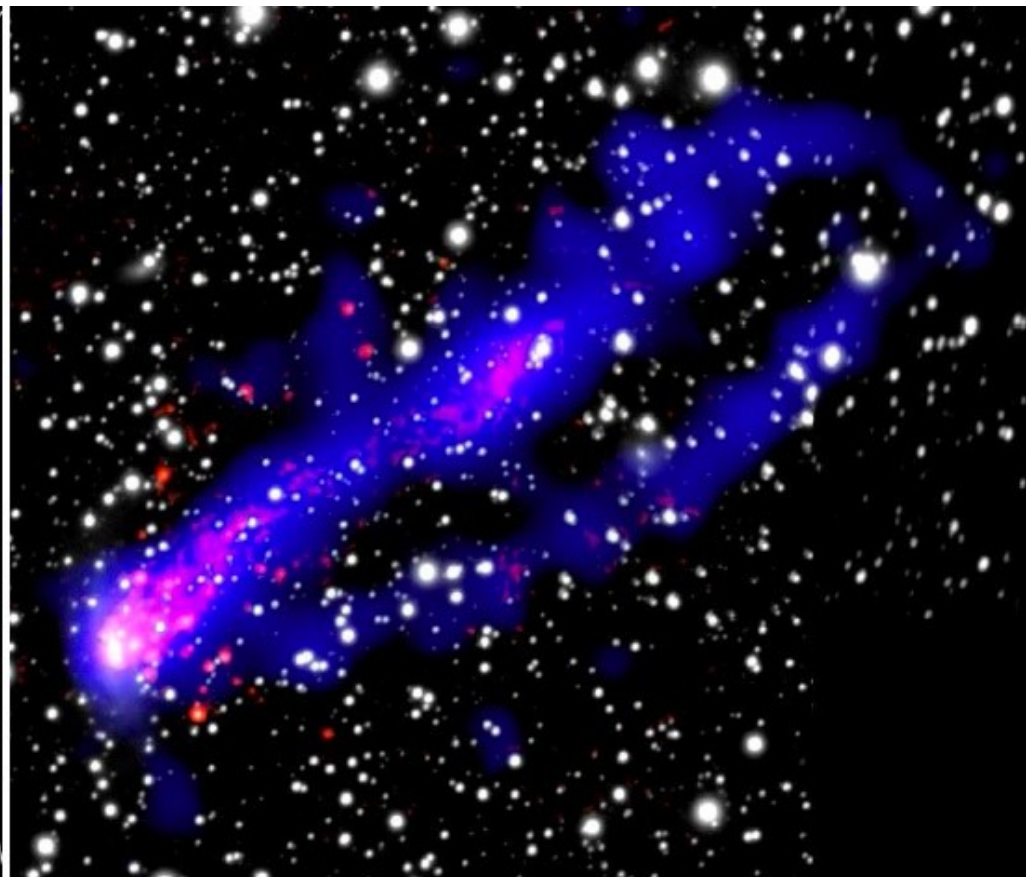
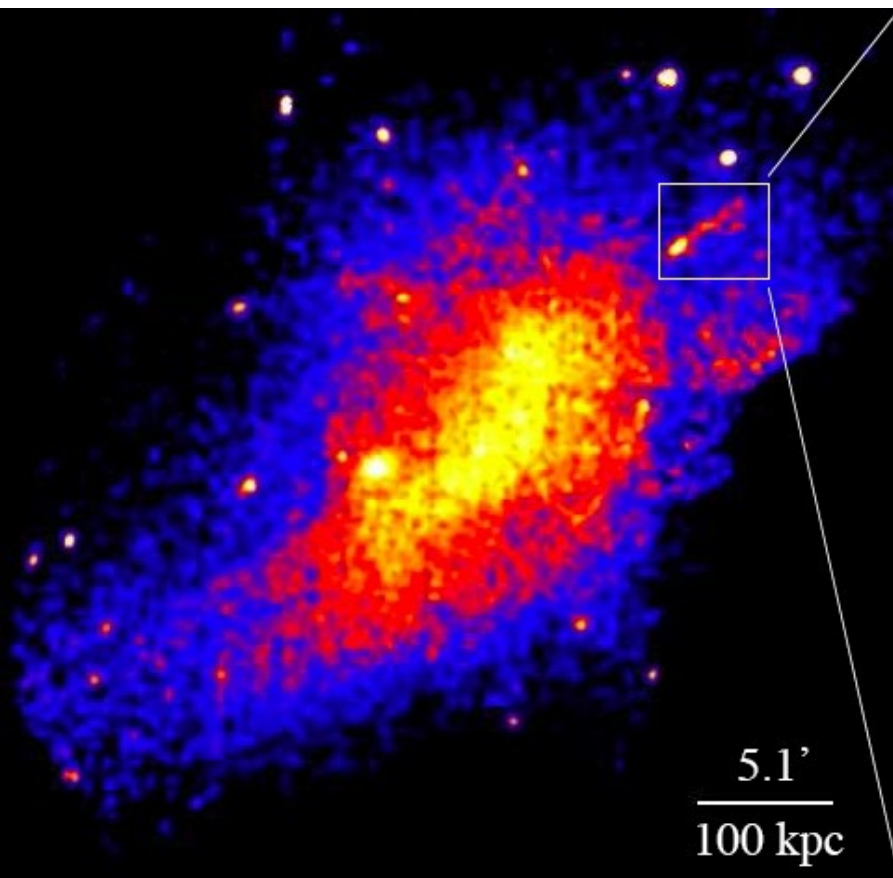


Kenney et al. 2008

Amas A3627

Emission X

Formation stellaire dans le milieu intra amas



Sun et al. 2009