

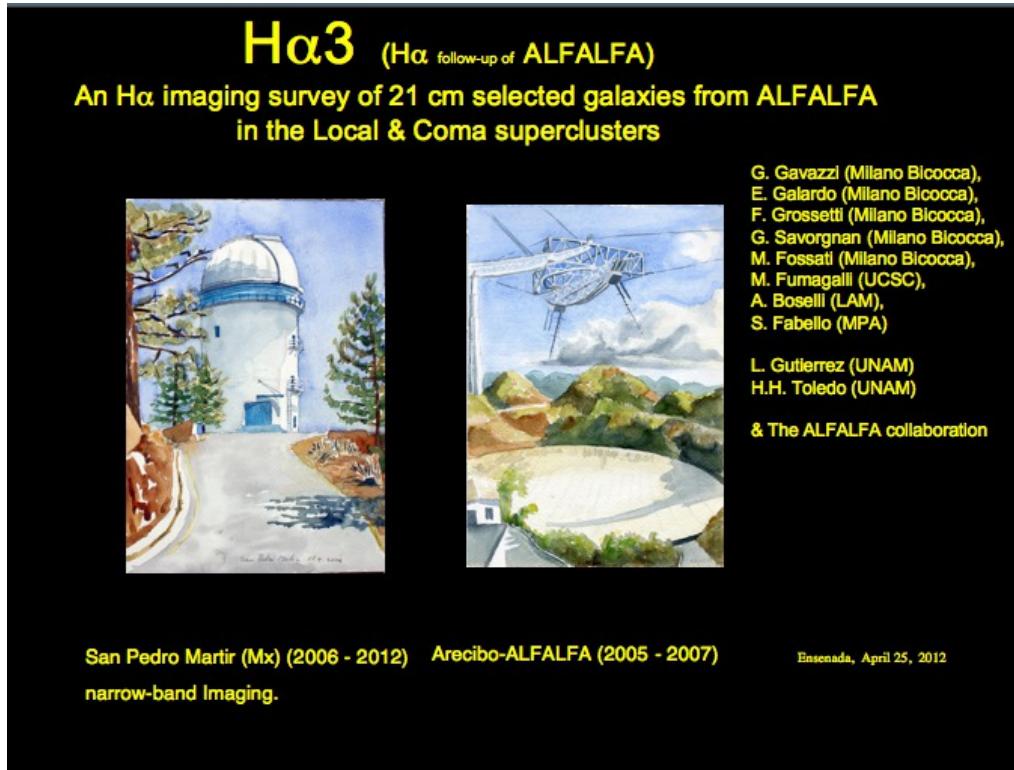
Instituto de Astronomía  
Universidad Nacional Autónoma de México  
Sede Ensenada, Baja California, México

## Seminario

*Miércoles, 25 de Abril de 2012*  
**12:00 hrs, Auditorio IA-Ensenada**

*Giuseppe Gavazzi*  
(*Università' di Milano-Bicocca*)

### “H $\alpha$ 3: AN H $\alpha$ IMAGING SURVEY OF 21 CM SELECTED GALAXIES FROM ALFALFA IN THE LOCAL AND COMA SUPERCLUSTERS.”



Using the 2.1m telescope at San Pedro Mártir (México) we carried out an H $\alpha$  imaging survey of nearly 1000 galaxies HI selected from ALFALFA in the local Supercluster (2006-2009), including the Virgo cluster and in the Coma supercluster (2011-2012). For all galaxies we measure the stellar mass ( $M_*$  from SDSS i-band photometry), the  $M_{\text{HI}}$  mass (from ALFALFA) and the current SFR (from the present H $\alpha$  survey). Using these quantities we study the dependence of the SSFR (specific star formation rate) on the HIgas fraction and discuss the impact of the environment (traced by the HI deficiency parameter) on the star formation history of spiral galaxies.