

Marisa Girardi, Univ. of Trieste "Ricercatore"



Email: girardi at oats.inaf.it

Phone: (+39) 040-3199-147

Office: Villa Bazzoni, 1st floor

Address:

Department of Physics - Astronomy Unit

University of Trieste

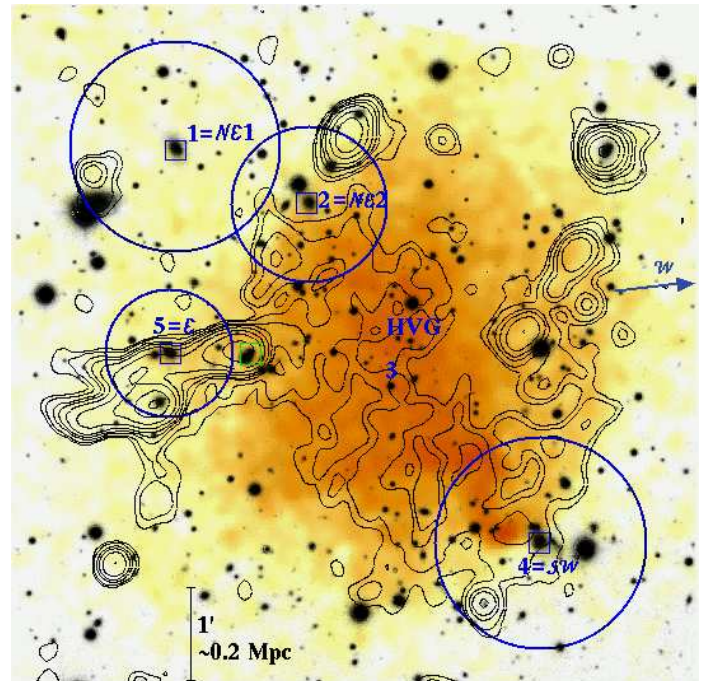
Via Tiepolo 11

34100 Trieste

Italy

Research interests

- Clusters of Galaxies
- Gals Clusters: dynamics
- Galaxies: spectroscopic data
- Galaxies: evolution
- Radio halos and relics
- Fossil Groups



Multiwavelength image of the radio-halo galaxy cluster Abell 520 (cover page of A&A, 491, 379, Girardi et al. 2008)

Curriculum Vitae:

- Master in Physics, Univ. of Trieste, 1988.
- Master in Astronomy, SISSA, 1990.
- Ph.D., Astronomy, SISSA, 1992.
- Ricercatore, Univ. of Trieste, 1998.

Presently:

- Ricercatore, Univ. of Trieste.

Courses taught:

Astronomy: Galactic Dynamics (2009/2010, Univ. of Trieste, 30h)
Physics: Mechanics and Thermodynamics (2009/2010, Univ. of Trieste, 84h)
Physics: Mechanics and Thermodynamics (2008/2009, Univ. of Trieste, 84h)
Physics: Mechanics and Thermodynamics (2007/2008, Univ. of Trieste, 60h)
Physics: Mechanics and Thermodynamics (2006/2007, Univ. of Trieste, 60h)
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Physics: Mechanics and Thermodynamics (2004/2005, Univ. of Trieste, 60h)
Physics: Mechanics and Thermodynamics (2002/2003, Univ. of Trieste, 60h)
Astronomy: Radiative Processes (2001/2002, Univ. of Trieste, 40h)
Physics: Mechanics and Thermodynamics (2001/2002, Univ. of Trieste, 60h)
Physics: Mechanics and Thermodynamics (2000/2001, Univ. of Trieste, 80h)
Astronomy: Galaxy Clusters (1994, SISSA, 10h)

Older Publications:

Up to Spring 2010: Marisa Girardi have published about 90 papers of which 53 in international, referred journals (24 as first author), one book contribute, and about 40 reports at conferences; she obtaining a total of more than 1900 citations according to ADS (The Smithsonian/NASA Astrophysics Data System. <http://adsabs.harvard.edu/>).

- “Optical Mass Estimates of Galaxy Clusters”, **Girardi M.**, Giuricin G., Mardirossian F., Mezzetti M., and Boschin W., **1998**, *A&A*, 505, 74.
- “Optical Analysis of Cluster Mergers”, **Girardi M.**, and Biviano A., **2002**, in *Merging Processes in Galaxy Clusters*, eds. L. Feretti, I. M. Gioia, and G. Giovannini, Kluwer Academic Publishers, The Netherlands, p. 39-67.
- Papers on DARC Project (Dynamical Analysis of Radio Clusters) can be found in <http://wwwuser.oat.ts.astro.it/girardi/darc/>

Preprints and Recent Papers:

- “Internal Dynamics of the Galaxy Cluster Abell 959”, Boschin W., Barrena R., **Girardi M.**, **2009**, *A&A*, 495, 15.
- “Internal dynamics of Abell 1240: a galaxy cluster with symmetric double radio relics”, Barrena R., and **Girardi M.**, Boschin W., and Dasì M., **2009**, *A&A*, 503, 357.
- “Internal dynamics of Abell 2294: a massive, likely merging cluster, **Girardi M.**, Boschin W., and Barrena, R., **2010**, *A&A*, in press (*A&A* forthcoming papers).
- “The complex structure of Abell 2345: a galaxy cluster with non-symmetric radio relics”, Barrena R., Boschin W., and **Girardi M.**, **2010**, *A&A*, in press (*A&A* forthcoming papers).
- “Fossil Groups Origins: I. RX J105453.3+552102 a very massive and relaxed system at $z \sim 0.5$ ”, Aguerri J. A. L., Girardi M., Boschin W., Barrena R., Méndez-Abreu J., Sánchez-Janssen R., and the FOGO team, *A&A* submitted.