

C.V. of Sabrina De Grandi

Date of birth	02 April 1965
Actual Position	Research Astronomer
Institut	INAF - Brera Astronomical Observatory
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Education

1992-03-20: I graduated in Astronomy at the Bologna University (maximum cum laude).

1992-06-01 – 1992-09-01: I was summer student at the NFRA (Dwingeloo - The Nederland).

1992-11-01 – 1996-10-07: I was PhD student at the University of Milan. A significant part of the PhD work was done at the Max-Planck Institut für Extraterrestrische Physik (Garching - D).

Employment History

1995-11-01 – 1997-10-31: I was Post-Doc at the MPE working as a member of the REFLEX collaboration.

1998-01-26 – present: Permanent position at the INAF-Brera AO.

Research Interests

Cosmology: large scale structure, statistical properties of galaxy cluster samples selected from X-ray surveys. Evolution of galaxy clusters.

High Energy Astrophysics: physics of galaxy clusters, i.e. study of thermodynamical properties and metal content of the ICM, enrichment history, cluster formation and evolution.

Total number of ADS refereed papers: 42

Total number of ADS citations : 1732 (refereed papers only)

Total number of ADS normalized citations : 375 (idem)

5 highlight recent Publications

1. Gastaldello F., Ettori S., Balestra I., Brighenti F., Buote D.A., **De Grandi S.** et al.; *Apparent high metallicity in 3-4 keV galaxy clusters: the inverse iron-bias in action in the case of the merging cluster Abell 2028*; 2010, A&A, in press
2. **De Grandi S.**, Molendi S.; *Metal abundances in the cool cores of galaxy clusters*; 2009, A&A, 508, 565

3. Guzzo L., Schuecker P., Böhringer H., Collins C. A., Ortiz-Gil A., **De Grandi S.** et al.; *The REFLEX galaxy cluster survey. VIII. Spectroscopic observations and optical atlas*; 2009, A&A, 499, 357
4. **De Grandi S.**, Ettori S., Longhetti M., Molendi S.; *On the iron content in rich nearby clusters of galaxies*; 2004, A&A, 419, 7
5. Ghizzardi S., Molendi S., Pizzolato F., **De Grandi S.**; *Radiative Cooling and Heating and Thermal Conduction in M87*; 2004, ApJ, 609, 638

5 highlight older Publications

1. Pizzolato F., Molendi S., Ghizzardi S., **De Grandi S.**; *Smaug: A New Technique for the Deprojection of Galaxy Clusters*; 2003, ApJ, 592, 62
2. **De Grandi, S.**, Molendi S.; *Temperature Profiles of Nearby Clusters of Galaxies*; 2002, ApJ, 567, 163
3. **De Grandi, S.**, Molendi S.; *Metallicity Gradients in X-Ray Clusters of Galaxies*; 2001, ApJ, 551, 153
4. Moscardini L., Matarrese S., **De Grandi S.**, Lucchin, F.; *The correlation function of X-ray galaxy clusters in the ROSAT All-Sky Survey 1 Bright Sample*; 2000, MNRAS, 314, 647
5. **De Grandi S.**, Guzzo L., Böhringer H., Molendi S. et al.; *The X-Ray Luminosity Function of Bright Galaxy Clusters in the Local Universe*; 1999, ApJ, 513L, 17

Teaching

I supervised laurea Thesis works and I gave lessons to PhD Students for the Milan and Insubria (Como) Universities (subjects of the lessons where Brightest Cluster Galaxies and metal content in Galaxy Clusters).

Last 10 years of "service" activities

I was asked to participate at the Chandra Cycle 6 peer review (category: "Normal Galaxies and Clusters of Galaxies"). I was also asked to participate at the XMM-Newton AO-5 and AO-6 proposal review (category "Groups of Galaxies, Clusters of Galaxies and Superclusters"). I could not accept because of maternity (of twins). I was TAC member for the AO-9 XMM-Newton proposal review (same category as above).

I served as papers referee for MNRAS, ApJ and A&A Journals.

Public Outreach

From 1998 I am part of the Merate staff doing public outreach activities (i.e. seminars for visitors, observations with the Merate telescopes).

July 7, 2010