

Curriculum Vitae of Fabrizio Nicastro

Personal Data

Nationality: Italian
e-mail: fnicastro@cfa.harvard.edu
Affiliation (1): INAF - Osservatorio Astronomico di Roma
Monte Porzio Catone, RM (Italy)
Affiliation (2): Harvard-Smithsonian Center for Astrophysics,
Cambridge, MA (US)

Education: Latest Degree

2000 PhD in Astronomy: Univ. di Roma “La Sapienza”
Thesis Title: *A Study of Ionized Gas in X-rays: Time-Evolving
Photoionization, Resonant Absorption and Gas Emission*
1995 Italian *Laurea* in Physics (110/110)

Main Fields of Interest

- (a) Physics of Ionized Gas
 - (b) Time-Evolving Photoionization
 - (c) High-Resolution X-Ray and UV Spectroscopy
 - (d) Warm-Hot Intergalactic Medium (WHIM) and the Missing Baryons
 - (e) Active Galactic Nuclei (AGNs) and Accretion
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Professional Experience

March 2008 – Visiting Scientist at the University of Crete
(Heraklion, Crete, Greece)
January 2006 – Astrophysicist at the Italian National Institute of Astrophysics (INAF)
(Monte Porzio Catone, RM, Italy)
July 98 – Astrophysicist at the Harvard-Smithsonian Center for Astrophysics
(Cambridge, MA, USA)
Oct 2004 – July 2006 Research Associate at IA-UNAM (Mexico City, Mexico)
Jan 00 – Oct 03 Member of the Science Data System of the Chandra X-Ray
Center

Students and Postdocs Supervision

August 2009 –	Supervisor of the Post-Doc Dr. Luca Zappacosta
Feb 2009 - Aug. 2009	Supervisor of the Post-Doc Dr. Valsamo Antoniou
Aug. 2008 - July 2009	Supervisor of the Post-Doc Dr. M. van Adelsberg
Jan 2008 - Dec. 2009	Supervisor of the Post-Doc Dr. M.L. Conciatore
Jan. 2007 - Jan. 2008	Co-advisor of the graduate student M.L. Conciatore
May 2005 - May 2006	Supervisor of the Post-Doc Dr. K. Steenbrugge
Nov. 2004 - Oct. 2006	Supervisor of the graduate student M. Rodriguez
Jan. 2004 - Dec. 2007	Co-advisor of the grad. students R. Williams and D.L Fields
May 2002 - May 2004	Supervisor of the Post-Doc Dr. Y. Krongold
2003	Supervisor of the graduate student S. Puccetti
2002	Supervisor of the graduate student P. Casella
2001	Supervisor of the graduate student E. Costantini
2001	Supervisor of the graduate 'summer-student' S. Bianchi

Computing Experience

- (a) Experience with the OSs: MAC OSX, UNIX, LYNUX, VAX/VMS, DOS, Windows.
 - (b) Experience in programming in Fortran-77, C, C++, IDL, SM, *Shell*, *Perl* and *Slang*.
 - (c) Experience with software for data reduction and analysis in the *Ciao*, *FTOOLS*, *Xanadu*, *IRAF*, *IRAF/PROS* environments.
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Selected PI-ships

- (a) PI of a *Science* Perspective article on WHIM in 2008
 - (b) PI of two articles published by the journal *Nature* in 2003 and 2005
 - (c) PI of a 5-year Long Term Space Astrophysics NASA grant
 - (d) PI of several *Chandra* and *XMM-Newton* top-ranked Large Programs, since 2001
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Refereeing Activity

- (a) Refereed numerous science articles for *Nature*, *ApJ*, *ApJL*, *A&A*, *MNRAS*, *PASJ*
 - (b) Two times member of the *Chandra* peer review committee
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Professional Presentations and Lectures

More than **100** conference presentations (invited and contributed), and **17** Lectures in the last 6 years (Seminars and *Colloquia*)

Bibliography

- More than **200** papers in specialist refereed journals (**95**) and conference proceedings since 1997.
- Citations (for papers currently in ADS): **2231**.
- From the "BiblioMatrix" website (for 84 out of the ≥ 95 refereed publications):
 - (a) Total Journal Impact Factor: **388.2**
 - (b) *h*-Statistics (number of papers with citations $\geq h$): **26**