

CURRICULUM VITAE

Andrea Merloni

Personal Data

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Professional and Educational History

2008-date: Fellow, Excellence Cluster Universe, TUM, Garching, Germany
2007-2008: Postdoc, Max Planck Institut für Extraterrestrische Physik (MPE), Garching, Germany
2002-2007: Postdoc, Max Planck Institut für Astrophysik (MPA), Garching, Germany
2001: Research assistant, Institute of Astronomy, University of Cambridge, UK
1998-2001: PhD, Institute of Astronomy, University of Cambridge, UK
1997-98: Civil Servant, ‘Soprintendenza per i Beni Artistici e Storici di Roma’, Italy
1991-96: Undergraduate Diploma in Physics, *summa cum laude*, University *La Sapienza* of Rome, Italy

Publication record

Overall, as of August 2008, I have published 24 first-author papers in refereed journals (out of a total of 37, including non-first author papers), which have collected a cumulative number of citations of 752 (1004 in total), with a H-factor of 17. I was also co-editor of the book “Growing Black Holes: Accretion in a Cosmological Context” published by Springer Verlag in the ESO Astrophysics Symposia series. See list of publications for details.

Collaborations:

I have published scientific papers, and have active collaborations with scientists at MPA and MPE (Garching), IoA (Cambridge, UK), Univ. of Wisconsin (Madison, USA), Amsterdam Univ. (The Netherlands), Southampton Univ. and Leicester Univ. (UK), INAF (Bologna and Rome observatories, Italy), SISSA (Trieste, Italy) and CESR (Toulouse, France). Recently, I became member of the COSMOS collaboration, and of the LOFAR Surveys KSP team.

Teaching Experience, Invited Seminars and Review Talks

Scientific communication is a fundamental part of my young scientific career. Apart from the regular in-house meetings and discussion sessions, aimed in particular at the younger student population of my host institutes, I have attended about 40 international conferences, presenting oral contributions in about two thirds of them. In recent years I have been also regularly invited by various international scientific institutes to give colloquia and review talks, which I list below:

- 2008: Invited review at the conference “The inner Kiloparsec: Active Galactic Nuclei and their hosts”, Crete, Greece
- 2008: Colloquium, INAF-Observatory of Rome, Italy
- 2008: Invited review at the meeting “Astronomy in the next decade: synergies with the square kilometer array”, Bonn, Germany
- 2008: Joint Astronomy Colloquium, ESO, Garching
- 2007: Invited talk, Science Week, Excellence Cluster Universe, Garching
- 2007: Invited Colloquium at CESR, Toulouse, France
- 2007: Invited talk, DARK Cosmology Center, Niels Bohr Institute, Copenhagen, Denmark
- 2007: Invited talk at USM, Munich
- 2007: Invited talk, Department of Astrophysics, Radboud Univ. Nijmegen, The Netherlands
- 2006: Invited review at the conference “Radiation Backgrounds from the First Stars, Galaxies and Black Holes”, College Park, MD, USA
- 2005: Invited review at the conference “Superunification of AGN”, Elba Island, Italy
- 2005: Invited Seminar at the Physics Department, University of Rome 3, Italy
- 2004: Seminaires d’Astrophysique at the OMP, Toulouse, France
- 2004: Invited review at the conference “From X-ray binaries to Quasars”, Amsterdam, The Netherlands
- 2004: Invited seminar at the Institute of Astronomy, Cambridge, UK
- 2004: Invited seminar at MPE, Garching, Germany
- 2003: Invited seminar at the Astronomical Observatory of Bologna
- 2003: Invited seminar at the Astronomical Institute “A. Pannekoek”, University of Amsterdam
- 2002: Invited review, 5th Italian AGN meeting, Como, Italy
- 2002: Invited seminar at SISSA, Trieste
- 2001: Seminar at the Institute of Astronomy, Cambridge
- 1997: Assistant lecturer for the undergraduate course of ‘Theoretical Astrophysics’ at the University of Rome “La Sapienza”

Professional Services

As a professional scientist, I dedicate an increasing amount of time to various services for the community, which I consider important, scientifically interesting and highly formative. As listed below, they reflect my broad range of scientific interests, covering almost the entire electromagnetic spectrum, from the radio to the X-ray domains. Also as a conference organizer, I have already accumulated experience both on the practical and scientific level.

Reviewer: Member of the EVN (European VLBI) Program Committee (2007-2010)

Referee: The Astrophysical Journal, Astronomy & Astrophysics, and Monthly Notices of the Royal Astronomical Society (2000-2008)

Organizer: Mini-symposium: 'VLBI and high-resolution astronomy in the next decade', Garching, Germany (06/2008) [SOC & LOC]

Organizer: Meeting: 'The inner kiloparsec: active galactic nuclei and their hosts', Crete, Greece (06/2008) [SOC]

Organizer: Workshop: 'Astronomy in the next decade: synergies with the square kilometer array', Bonn, Germany (04/2008) [SOC]

Organizer: weekly Black Hole Cluster Meeting, MPE (2007-2008)

Organizer: weekly High Energy/Accretion group meetings, MPA (2003-2006)

Organizer: Meeting: 'Coronae of stars and accretion discs', Bonn (12/2006) [SOC]

Reviewer: PPARC rolling grant proposals (2006)

Reviewer: NASA's Guest Observing programs (Chandra Satellite, 2005)

Organizer: Meeting: 'From X-ray binaries to Quasars, Black Holes on all mass scales', Amsterdam (7/2004) [SOC]

Organizer: Conference: 'Growing black holes', Garching (6/2004) [LOC]

Successful Observing Proposals and Grant applications

2008: As co-PI (together with Dr. G. Kauffmann, MPA, Garching) I was granted a joint MPA-Excellence Cluster PhD studentship for the project: 'Studying the Cosmological evolution of Supermassive Black Holes with LOFAR' (2009-2012)

2008: As co-host at the Excellence Cluster, I contributed to the successful application for an Alexander von Humboldt fellowship for Dr. R. Dunn (2008-2010)

2006: CHANDRA Proposal 'A snapshot X-ray/Radio survey of AGNs selected from the long menu of SDSS galaxies'. P.I. S. Heinz (MIT, USA)

2004: CHANDRA Proposal 'Testing and extending the fundamental plane of black hole activity'. P.I. R. Fender (U. Amsterdam)

2004: VLA Proposal 'The steep ultraluminous X-ray source in NGC 4244'. P.I. R. Fender (U. Amsterdam)

Language Skills

ITALIAN: Mother tongue

ENGLISH, FRENCH and SPANISH: Very good reading, speaking and writing abilities

GERMAN: Good reading, speaking and writing abilities