

ANDREA MERLONI

PERSONAL INFORMATION

Born in Rome, Italy, 13 November 1972

Nationality Italian and German

Address Max-Planck Institute für Extraterrestrische Physik
Giessenbachstr. 85748, Garching, Germany

email am@mpe.mpg.de

phone +49 (089) 30000 3893

WORK EXPERIENCE

2011–Present Staff Scientist, MPI FÜR EXTRATERRESTRISCHE PHYSIK

2010–2011 Post Doc, TECHNISCHE UNIVERSITÄT MÜNCHEN

2008–2010 Fellow, EXCELLENCE CLUSTER UNIVERSE, Garching

2007–2008 Post Doc, MPI FÜR EXTRATERRESTRISCHE PHYSIK

2002–2007 Post Doc, MPI FÜR ASTROPHYSIK, Garching

EDUCATION

1998–2001 Cambridge University, UK
PhD in Astronomy
Thesis: *The spectra and variability of accreting black holes*
Advisors: Prof. A.C. FABIAN

1992–1997 The University of Rome 'La Sapienza', Italy
Undergraduate Diploma 'Laurea' in Physics
Thesis: *A new assessment of the equation of state of white dwarves and the role of inertia in General Relativity*
Advisor: Prof. R. Ruffini; Grade: 110/110 *cum laude*

SCIENTIFIC INTERESTS

Black Hole Astrophysics, Theory of Accretion, Active Galactic Nuclei, X-ray Binaries, Cosmological evolution of Massive Black Holes, Multiwavelength Extragalactic Surveys, X-ray Astronomy, Optical Spectroscopic Surveys

PROFESSIONAL SERVICES

Principal Investigator eROSITA X-ray Telescope: coordinating the activities of ~120 scientists in the German eROSITA consortium, responsible for the strategic plan for science preparation and exploitation of all-sky survey data

Principal Investigator SPIDERS: SPectroscopic IDentification of EROSITA Sources, approved program for the fourth generation of Sloan Digital Sky Survey (SDSS-IV: 2014-2020)

Principal Investigator X-ray AGN survey, 4MOST: Multi-object spectrograph for the ESO/VISTA telescope

Project Manager 4MOST Operations System development

Junior Research Leader Excellence Cluster Origins, Garching

Committee/Team Member Managing Committee, Sloan Digital Sky Survey IV (SDSS-IV); Managing

Committee, Sloan Digital Sky Survey V (SDSS-V); Athena WFI Science Team; SDSS-III; SDSS-IV; COSMOS; 4MOST; German SKA scientific teams

Lecturer Heidelberg University Graduate days, Heidelberg, Germany (2015); International Max-Planck Research School, Garching, Germany (2012, 2014, 2016 & 2018); SIGRAV Graduate School in Contemporary Relativity and Gravitational Physics, Como, Italy (2012); PhD School, University of Bologna, Italy (2013)

Reviewer ESO OPC member (2015-16); EVN Program Committee (2007-2010); Chandra Guest Observing Program (2005, 2013); XMM-Newton Time Allocation Committee (2017, 2018); PPARC rolling grants (UK); CONICYT grants (Chile); VENI grants (The Netherlands), Carl-Zeiss Stiftung (Germany); Czech Republic academy of science; FRS-FNRS Fonds de la Recherche Scientifique, Belgium; Swiss National Science Foundation; Italian National Committee of the Research Guarantors, PRIN Projects.

Organiser Member of Scientific Organization Committee [SOC] of 25 meetings in the last 13 years. SOC chair (or co-chair) of: "Follow-up of wide-area X-ray surveys: Science, Facilities, Programs", Ringberg, Germany (4/2016); "Black Hole (g)Astronomy: exploring the different flavours of accretion", Brindisi, Italy (9/2013); First eROSITA International Conference: "Mapping the Structure of the Energetic Universe", Garmisch-Partenkirchen, Germany (10/2011); EAS Symposium "Combined Radio/X-ray approaches for Relativistic Astrophysics", JENAM Meeting, St. Petersburg (9/2011); ESF Exploratory Workshop "Cosmogony of AGNs: Unifying approaches for the next decade", Brindisi, Italy (9/2010).

SUPERVISED STUDENTS AND POSTDOCS

PhD Student F. DE GASPERIN, 2009-2012 (currently Junior Professor, Hamburg University). Thesis: *The impact of radio-emitting supermassive black holes on their environment: the LOFAR view of the VIRGO cluster*

PhD Student J. BUCHNER, 2012-2015 (currently postdoc at MPE, Germany). Thesis: *A multi-frequency study of the luminosity function of AGN*

PhD Student M.-L. MENZEL, 2013-2016 (currently data analyst at Lufthansa). Thesis: *Spectroscopic studies of X-ray-selected AGN*

PhD Student T. SIMM, 2015-2018. Thesis: *Accretion modes of AGN*

PhD Student R. ARCODIA, 2017-date. Thesis: *eROSITA X-ray AGN: physical properties of the bright end of the population*

Postdoc A. BONGIORNO, 2008-2011 (currently permanent staff at INAF-OAR). Project: Study of host galaxies of AGN in the COSMOS survey.

Postdoc N. CLERC, 2012-2016 (currently chrgé de recherche, IRAP Toulouse). Project: Source detection algorithms and simulations for studying Large Scale Structure with eROSITA. SPIDERS clusters survey

Postdoc T. DWELLY, 2013-2018 (currently targeting coordinator in SDSS-V). Project: 4MOST operation system, SPIDERS AGN survey

PUBLICATION RECORD

As of December 2020, 31 first-author papers (out of a total of 160) in refereed journals, with 3410 cumulative citations (14850 in total), and a H-factor of 61.

December 8, 2020