

CURRICULUM VITAE



PERSONAL INFORMATION

Family Name Pinto
First Name Ciro
Work address INSTITUTE OF ASTRONOMY, UNIVERSITY OF CAMBRIDGE, MADINGLEY ROAD, CB0 3HA, CAMBRIDGE, UNITED KINGDOM
Work phone +441223339281
E-mail ciropinto1982@gmail.com
cpinto@ast.cam.ac.uk
Website <http://www-xray.ast.cam.ac.uk/~cpinto/>
Nationality Italian
Place of birth Naples, Italy
Date of birth 09/04/1982

CURRENT WORK POSITION

12/2012-present Postdoc at the Institute of Astronomy, University of Cambridge, United Kingdom.
Topic: High-energy astrophysics of Clusters of Galaxies (advisor Prof. Andrew C. Fabian)

EDUCATION AND TRAINING

11/2008-11/2012 Ph.D. student at SRON, the Netherlands Institute for Space Research, Utrecht, The Netherlands.
Thesis: The composition of the interstellar medium in the Galaxy as seen through X-rays (advisors J. Kaastra and F. Verbunt)

EDUCATION AND TRAINING

11/2005-05/2008 M.Sc in Physics (summa cum laude) at the University of Naples, Federico II. Thesis on X-Ray Variability of Active Galactic Nuclei (advisors G. Longo, M. Paolillo).

10/2000-10/2005 B.Sc in Physics at the University of Naples, Federico II. Thesis on Gravitational Lensing (advisor M. Capaccioli).

09/1995-07/2000 Italian high school diploma at the Scientific Lyceum "Elio Vittorini", Naples, Italy.

TEACHING AND TUTORIALS

Relativistic Astrophysics And Cosmology – 2008/2009.
Teacher assistant of John Heise and Peter Hoyng.

Galaxies 2010/2011 – Teacher assistant of Soeren
Larsen (both at Utrecht University).

LANGUAGE KNOWLEDGE

Italian native
English good
French scholar

COMPUTER SKILLS

OPERATING SYSTEMS Mac OS, Linux, Windows

PROGRAMMING Bash-C shell

OFFICE Latex, MS Office, Open Office, iWork, GIMP

DATA ANALYSIS IDL, Matlab, Mathematica, XMM-SAS, CIAO, FTOOLS

X-RAY ANALYSIS CODE SPEX, XSPEC

**INTERNSHIPS AND WORKING
VISITS**

09/2013- 1 week work at SRON, Utrecht, The
Netherlands. Topic: X-ray spectroscopy of clusters of
galaxies (advisor Jelle De Plaa).

06/2013- 1 week work at the Max Planck Institute
(MPE), Garching, Germany. Topic: Turbulence in
clusters of galaxies (advisor Jeremy Sanders).

11/2010- 2 weeks work at the Space Telescope Science
Institute, Baltimore, USA. Topic: UV spectroscopy of
high-velocity clouds (advisor Gerard Kriss).

01/2010- 1 week work at the European Space
Astronomy Centre, Madrid, Spain. Topic: X-ray
spectroscopy of nova V2491 Cyg (advisor Jan-Uwe Ness).

03/2009- 1 week training at the Mullard Space Science
Laboratory, London, UK. Topic: SPEX, the software
package for UV / X-ray spectroscopy (advisor J. Kaastra).

2006- 2 months training at the Astronomical Observatory of
Capodimonte, Naples: Solar Oscillations and super-
granulations (advisors M. Oliviero, G. Severino).

**CONFERENCES, WORKSHOPS
AND MEETINGS**

"High-resolution X-ray spectroscopy: past, present, and future", March 2010, Utrecht, The Netherlands

"Stormy Cosmos", November 2010, Pasadena, USA

"The Molecular Universe", May 2011, Toledo, Spain

"The X-ray Universe 2011", June 2011, Berlin, Germany

"Mapping Oxygen in the Universe", May 2012, Tenerife

"39th COSPAR Sc. Assembly", July 2012, Mysore, India

"The X-ray Universe 2014", June 2014, Dublin, Ireland

"ASTRO-H science meeting", March 2015, Tokyo, Japan

"Snowcluster", March 2015, Salt Lake City, USA

Two work meetings ISAS, Tokyo, Japan: "Hitomi collaboration" February and May, 2016.

RESEARCH INTERESTS

Plasma physics: UV / X-ray spectroscopy of inter- and intra-galactic media, extreme winds in X-ray binaries and AGN. Accretion phenomena.

Most Relevant Refereed Publications

Pinto, C., Kaastra, J.S., Costantini E., Verbunt, F., *High-resolution X-ray Spectroscopy of the interstellar medium*, Astronomy and Astrophysics Journal, 2010, vol 521, p. 79

Pinto, C., Kriss, G.A., Kaastra, J.S., et al., *Multiwavelength campaign on Mrk 509 IX. The Galactic foreground*, Astronomy and Astrophysics Journal, 2012, vol 541, p. 147

Pinto, C., Ness, J.-U., Verbunt, F., Kaastra, J.S., Costantini E., Detmers, R., *The nature of the X-ray spectrum of Nova V2491 Cygni*, Astronomy and Astrophysics Journal, 2012, vol 543, p. 134

Pinto, C., Kaastra, J.S., Costantini E., de Vries, C.P., *Interstellar medium composition through X-ray spectroscopy of low-mass X-ray binaries*, Astronomy and Astrophysics Journal, 2013, vol 551, p. 25

Pinto, C., Costantini E., Fabian, A.C., Kaastra, J.S., in't Zand, Jean J.M., *Unveiling the environment surrounding LMXB SAX J1808.4-3658*, Astronomy and Astrophysics Journal, 2014, vol 563, p. 115

Pinto, C., Fabian, A. C., Werner, N., et al., *Discovery of O VII line emitting gas in elliptical galaxies*, Astronomy and Astrophysics Journal, 2014, vol 572, p. 8

Pinto, C., Sanders J. S., Werner, N., de Plaa, J., Fabian, A. C., et al., *Chemical Enrichment RGS cluster Sample (CHEERS): Constraints on turbulence*, Astronomy and Astrophysics Journal, 2015, vol 575, p. 38

Pinto, C., Fabian, A. C. et al., *Insights into the location and dynamics of the coolest X-ray emitting gas in clusters of galaxies*, Monthly Notices of the Royal Astronomical Society, 2016, vol. 461, issue 2, pp. 2077

Pinto, C., Middleton, M., and Fabian, A. C., *Resolved atomic lines reveal outflows in two ultraluminous X-ray sources*, Nature, 2016, vol. 533, pp. 64-67

The Hitomi Collaboration, *The quiescent intracluster medium in the core of the Perseus cluster*, Nature, 2016, vol. 535, pp. 117-121