

## SELECTED CV

### PERSONAL INFORMATION

Family name, First name: Tombesi Francesco

Researcher unique identifier(s) (ORCID): 0000-0002-6562-8654

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### • EDUCATION

2010 – PhD in Astronomy, with Honors. Thesis "*An X-ray absorption line spectroscopy study of ultra-fast outflows from the innermost regions of AGNs*". University of Bologna, Italy.

2006 – Master in Astrophysics & Cosmology, cum Laude. University of Bologna, Italy.

2004 – Bachelor in Astronomy, cum Laude. University of Bologna, Italy.

### • PROFESSIONAL POSITIONS

2020 – present: Associate Professor of Astrophysics. Dept. of Physics, University of Rome "Tor Vergata", Italy.

2020 – present: Affiliated Researcher. INFN - Tor Vergata, Rome, Italy.

2018 – present: Affiliated Researcher. Astronomical Observatory of Rome, INAF, Italy.

2017 – 2020: "*Montalcini*" Assistant Professor of Astrophysics. Dept. of Physics, University of Rome "Tor Vergata", Italy.

2014 – present: Assistant Research Scientist. Dept. of Astronomy, University of Maryland, College Park MD, USA.

2010 – present: Astrophysicist. X-ray Astrophysics Laboratory, NASA Goddard Space Flight Center, Greenbelt MD, USA.

2010 – Research Assistant. Dept. of Physics & Astronomy, George Mason University, Fairfax VA, USA.

2008 – 2009: Research Scholar. Dept. of Physics & Astronomy, Johns Hopkins University, Baltimore MD, USA.

### • ACADEMIC RESPONSIBILITIES

2020 – present: Elected member of the Executive Board, Dept. of Physics, University of Rome "Tor Vergata", Italy.

2020 – present: Nominated member of the Restricted Didactic Commission for the Degree in Physics at the University of Rome "Tor Vergata".

2017 – present: Member of the Board of Faculty of the joint PhD program in Astronomy, Astrophysics and Space Science (University of Rome "Tor Vergata", University of Rome "Sapienza", INAF)

2017 – present: Faculty member, Dept. of Physics, the University of Rome "Tor Vergata", Italy.

2014 – present: Faculty member, Dept. of Astronomy, University of Maryland, College Park MD, USA.

### • PEER REVIEW SERVICE

2020 – present: Reviewer for the "Register of Expert Peer Reviewers for Italian Scientific Evaluation" (REPRISE), Ministry of Education, University, and Research, Italy.

2017 – Reviewer for the Netherlands Organization for Scientific Research, Netherlands.

2017 – present: Reviewer for the Italian Scientists and Scholars of North America Foundation, USA.

2014 – present: Reviewer for the National Science Foundation, USA.

2013 – Reviewer for the Ministry of Education of Greece.

2012 – present: Reviewer for several NASA programs (Chandra, Swift, NuSTAR, Astrophysics Theory Program, NASA Postdoctoral Program, FINESST), USA.

2010 – present: Referee for the international scientific journals Nature, Science, Physical Review Letters, The Astrophysical Journal, The Astrophysical Journal Letters, Astronomy & Astrophysics, Monthly Notices of the Royal Astronomical Society, Publications of the Astronomical Society of Japan,

New Astronomy.

- **FELLOWSHIPS, SCHOLARSHIPS AND AWARDS**

- 2017 – *Aspen Institute Italia Award* for "research and scientific cooperation between Italy and USA", Aspen Institute Italia, Italy.
- 2016 – "*Rita L. Montalcini*" Fellowship, Ministry of Education, University and Research, Italy.
- 2016 – "*Exceptional Scientific Achievement*" Medal, NASA, USA.
- 2015 – "*Robert H. Goddard Honor Award*" for "exceptional achievement in science", NASA Goddard Space Flight Center, USA.
- 2015 – National Prize "*Gentile da Fabriano*", Italy.
- 2014 – "*Astrophysics Science Division Peer Award*", NASA Goddard Space Flight Center, USA.
- 2014 – "*Early Career Research Scientist Prize for Excellence*", Dept. of Astronomy, University of Maryland, College Park, USA.
- 2014 – Special Mention "*Cefalu' 2014 Prize for Astrophysics*", Italy.
- 2013 – Special Mention "*ISSNAF Award for Young Investigators*", Italian Scientists and Scholars of North America Foundation, USA.

- **TEACHING ACTIVITIES (at the Tor Vergata University of Rome)**

- 2021 – 2022: Active Galactic Nuclei, Master in Physics,
- 2020 – 2021: Elements of Astrophysics, Bachelor in Physics
- 2020 – 2021: Physics 2, Bachelor in Applied Chemistry
- 2019 – 2020: Physics 2, Bachelor in Applied Chemistry
- 2018 – 2019: Physics 2, Bachelor in Applied Chemistry
- 2017 – 2018: Physics 2, Bachelor in Applied Chemistry

- **ORGANISATION OF SCIENTIFIC MEETINGS**

- 2019 – EWASS Symposium "*Jets and disk winds across cosmic scales*", Lyon, France.
- 2019 – EWASS Special Session "*Quasar feedback: ejecting, compressing and enriching gas at different scales*", Lyon, France.
- 2018 – "*Multiphase AGN feeding and feedback*", Sexten, Italy.
- 2018 – "*Breaking the limits 2018: super-Eddington accretion on compact objects*", Sardinia, Italy.
- 2017 – "*AGN winds on the Georgia coast*", Georgia, USA.
- 2016 – "*Breaking the limits: super-Eddington accretion on compact objects*", Italy.
- 2015 – "*The extremes of black hole accretion*", Madrid, Spain.
- 2011 – "*AGN winds in Charleston*", Charleston, USA.

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

- 2016 – present: *European Astronomical Society (EAS)*.
- 2016 – present: *American Astronomical Society (AAS)*.
- 2016 – present: *American Association for the Advancement of Science (AAAS)*.
- 2015 – present: *International Astronomical Union (IAU)*.
- 2012 – 2017: *Italian Scientists and Scholars of North America Foundation (ISSNAF)*.
- 2008 – present: *Committee on Space Research (COSPAR)*.

- **MAJOR SCIENTIFIC COLLABORATIONS**

- 2020 – present: Science Collaborator for the Imaging X-ray Polarimetry Explorer (IXPE) space mission from NASA and ASI.
- 2019 – 2020: Science working group member of ESA's SPICA mission proposal.
- 2018 – present: Member of the Habitable Worlds (HAW) collaboration in Rome on Exoplanets.
- 2018 – present: Member of the Supemassive Black Hole Winds in X-rays (SUBWAYS) collaboration.
- 2016 – present: Co-I of the NASA Astrophysics probe proposal Advanced X-ray Imaging Satellite (AXIS).
- 2016 – present: NASA endorsed member of the Neutron star Interior Composition ExploreR (NICER).
- 2016 – present: Member of the ESO-Athena Synergy Team (EAST)

2016 – present: Member of the SKA-Athena Synergy Team (SAST)

2015 – present: NASA endorsed member of the science working group of the *Lynx* X-ray Observatory

2015 – present: NASA/ESA endorsed member of the science study team of the *Athena* X-ray Observatory

2010 – 2017: NASA/JAXA endorsed member of the science working group of the (ASTRO-H) *Hitomi* X-ray Observatory