

ANTONIO MANCINO

Personal Data

PLACE AND DATE OF BIRTH: Bologna, Italy | 18 October 1991
ADDRESS: via G. F. Barbieri 1, 40129, Bologna, Italy
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Work Experience

- 2017 - 2020 | Member of SOFOS Divulgazione delle Scienze
- Guided tours of the 60cm Cassini Telescope and Planetarium shows at the Loiano Observatory (Bologna)
- 2017 - 2018 | Servizio Civile Nazionale at CNR - INAF, Bologna
Project: *“I giovani e le nuove tecnologie: la divulgazione dell’astronomia per la crescita personale e culturale”*
- Guided tours of the Medicina Radio Astronomical Station and Visitor Center “Marcello Ceccarelli” (Medicina, Bologna)
 - Outreach activities
 - Collaboration with MEDIA INAF

Education

- 2019 - TODAY | PhD student in ASTROPHYSICS
Department of Physics and Astronomy, Università di Bologna
Thesis: “Dynamical modelling of early-type galaxies: analytical multi-component systems, and application to hydrodynamical simulations”
Supervisor: Prof. Luca CIOTTI, Co-supervisor: Prof.ssa Silvia PELLEGRINI
- 2016 - 2019 | Master of Science in ASTROPHYSICS AND COSMOLOGY
110/110, Università di Bologna
Thesis: “On the structural and dynamical properties of a new class of galaxy models with a central BH”
Supervisor: Prof. Luca CIOTTI, Co-supervisor: Prof.ssa Silvia PELLEGRINI
- 2012 - 2015 | Bachelor of Science in ASTRONOMY
110/110 *summa cum laude*, Università di Bologna
Thesis: “Dinamica dei fluidi”
Supervisor: Prof. Daniele DALLACASA
- 2005 - 2010 | Science High School, Liceo Scientifico Copernico, Bologna
Thesis: “Sezioni coniche. Percorso tra Matematica, Fisica e Astronomia”

Participation in Seminars and Conferences

- 14 - 18 September 2021 ONSCI – *Officina di Narrazione della Scienza*, Bologna (Italy)
Unibo Online Workshop
- 12 - 16 April 2021 EXTRAGALACTIC SPECTROSCOPIC SURVEYS: *Past, Present and Future of Galaxy Evolution* (GALSPEC2021), Chile
ESO Online Workshop
- 3 - 4 December 2020 LINKING THE GALACTIC AND EXTRAGALACTIC: *stellar dynamics and stellar populations of the Milky Way and its siblings*, Sydney (Australia)
Virtual Meeting
- 6 - 12 September 2020 IWARA2020 Video Conference, Mexico City (Mexico)
9th International Workshop on Astronomy and Relativistic Astrophysics
- 13 - 14 July 2018 PASSION FOR PHYSICS, Villa Monastero, Varenna (Lake Como)
Highlights and Perspectives in Multi-Messenger Research, International Symposium
organized by the Società Italiana di Fisica

List of Publications

Jeans modelling of weakly flattened ellipsoidal systems, A. MANCINO, F. GIANNETTI & L. CIOTTI, 2022, MNRAS (in preparation)

A parameter space exploration of high resolution numerically evolved Early Type Galaxies including AGN feedback and accurate dynamical treatment of stellar orbits, L. CIOTTI, Z. GAN, J. P. OSTRICKER, S. PELLEGRINI, C. CARAVITA, A. MANCINO, ApJ (accepted)

On the polytropic Bondi accretion in two-component galaxy models with a central massive BH, A. MANCINO, L. CIOTTI, S. PELLEGRINI, 2022, MNRAS, 512, 2474

Two-component galaxy models with a central BH – II. The ellipsoidal case, L. CIOTTI, A. MANCINO, S. PELLEGRINI, A. ZIAEE LORZAD, 2021, MNRAS 500, 1054

A new class of galaxy models with a central BH – I. The spherical case, L. CIOTTI, A. MANCINO, S. PELLEGRINI, 2019, MNRAS 490, 2656

Languages

ITALIAN: Mothertongue
ENGLISH: Upper intermediate

Computer Skills

Intermediate Knowledge: C, Scilab, GNU Octave, RStudio, IRAF, SMongo
Advanced Knowledge: LINUX, gnuplot, FORTRAN, WOLFRAM MATHEMATICA, \LaTeX

Supervised Theses

Modelli dinamici per sistemi stellari debolmente schiacciati, 2022, F. GIANNETTI
Supervisor: L. CIOTTI, Co-supervisor: A. MANCINO