

Curriculum Vitae












Luigi Mancini

🏠	Date of birth	May 29, 1973
🌐	Nationality	Italian
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 **Current and previous positions**

2019 – present	<p>ASSOCIATE PROFESSOR  University of Rome “Tor Vergata”  Rome, Italy Department of Physics</p>	
2017 – 2019	<p>ASSISTANT PROFESSOR  University of Rome “Tor Vergata”  Rome, Italy Department of Physics</p>	
2014 – 2017	<p>RESEARCH STAFF SCIENTIST  Max Planck Institute for Astronomy  Heidelberg, Germany Planet and Star Formation Dept.</p>	
2011 – 2014	<p>RESEARCH FELLOW  Max Planck Institute for Astronomy  Heidelberg, Germany Planet and Star Formation Dept.</p>	
2010 – 2011	<p>RESEARCH FELLOW  University of Sannio  Benevento, Italy Department of Engineering</p>	
2004 – 2010	<p>RESEARCH FELLOW  University of Salerno  Salerno, Italy Department of Physics</p>	







Education

2003	DOKTOR DER NATURWISSENSCHAFTEN  University of Zurich  Zurich, Switzerland Institute of Theoretical Physics	
2003	INTERNATIONAL PHD IN GRAVITATIONAL PHYSICS AND ASTROPHYSICS  University of Salerno  Salerno, Italy Department of Physics	
1999	LAUREA IN FISICA (110/110 CUM LAUDE)  University of Salerno  Salerno, Italy Master Degree in Physics	

Academic Qualifications

2022	Italian National Qualification as FULL PROFESSOR	
2017	Italian National Qualification as FULL PROFESSOR	
2017	Italian National Qualification as ASSOCIATE PROFESSOR	
2013	Italian National Qualification as ASSOCIATE PROFESSOR	

Affiliations

2014 – present	I.N.A.F. ISTITUTO NAZIONALE DI ASTROFISICA	
2004 – 2010	I.N.F.N. ISTITUTO NAZIONALE DI FISICA NUCLEARE	
2017 – present	MPIA MAX PLANCK INSTITUTE FOR ASTRONOMY	
2014 – present	INAF – OATo ASTROPHYSICAL OBSERVATORY OF TURIN	
2020 – present	Member of IAU INTERNATIONAL ASTRONOMICAL UNION Division A Fundamental Astronomy Division F Planetary Systems and Astrobiology Commission F2 Exoplanets and Solar System	
2018 – 2022	Vice president of I.I.A.S.S. INTERNATIONAL INSTITUTE FOR ADVANCED SCIENTIFIC STUDIES	

🔗 Fellowships and Grants

2022 – 2025	PRIN 2022 No. 2022J4H55R Macrosector Physical Sciences and Engineering Sector PE9 “Universe Sciences”	
2021 – 2023	UNIVERSITY OF TOR VERGATA Research Funds 2021	
2017 – 2019	FFABR 2017 Research Funds	
2017 – 2019	UNIVERSITY OF TOR VERGATA Mission: Sustainability 2016	
2000 – 2001	RESEARCH GRANT University of Zurich Institute of Theoretical Physics	
1999 – 2000	SPECIALIZATION SCHOLARSHIP University of Salerno	

 **Activities as referee**

	SCIENCE
THE ASTROPHYSICAL JOURNAL	
THE ASTRONOMICAL JOURNAL	
ASTRONOMY & ASTROPHYSICS	
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	 Royal Astronomical Society
NEW ASTRONOMY	 ELSEVIER
ASTRONOMY AND COMPUTING	 ELSEVIER
GENERAL RELATIVITY AND GRAVITATION	 Springer
OPTICON TELESCOPES NETWORK	 OPTICON
SWISS NATIONAL SCIENCE FOUNDATION	 SNF
CROATIAN SCIENCE FOUNDATION	 HRZZ
FRENCH POLAR INSTITUTE	 INSTITUT POLAIRE FRANÇAIS <small>PAUL-ÉMILE VICTOR</small>

Memberships of scientific teams

2024 – present	MEMBER OF THE PLATO MISSION CONSORTIUM WORKING PACKAGE 115200
2024 – present	MEMBER OF THE NASA GREAT OBSERVATORY MATURATION PROGRAM (GOMAP) HABITABLE WORLDS OBSERVATORY START LIVING WORLDS WORKING GROUP
2023 – present	PI OF THE PROJECT “DETECTION OF EARTH-LIKE EXOPLANETS” MIUR-PRIN PROJECT NO. 2022J4H55R
2023 – present	MEMBER OF THE SCIENTIFIC ADVISORY COMMITTEE OF THE VATICAN ADVANCED TECHNOLOGY TELESCOPE (VATT)
2017 – present	MEMBER OF THE TRANSITING EXOPLANET COMMUNITY JWST EARLY RELEASE SCIENCE PROGRAM
2018 – 2023	MEMBER OF THE EDEN SCIENCE TEAM
2014 – present	MEMBER OF THE GAPS SCIENCE TEAM
2014 – 2022	MEMBER OF THE CARMENES SCIENCE TEAM
2012 – 2022	CO-INVESTIGATOR AND MEMBER OF THE EXECUTIVE BOARD OF THE HATSOUTH PROJECT
2012 – 2022	MANAGER OF THE HESS-SITE NODE OF THE HATSOUTH PROJECT
2010 – 2022	PI OF THE PROJECT “ACCURATE PROPERTIES OF EXTRASOLAR PLANETS VIA TELESCOPE DEFOCUSING”
2010 – 2012	PARTECIPANT IN PRIN 2008NR3EBK_002 DARK MATTER & GRAVITATIONAL LENSING
2008 – present	MEMBER OF THE MINDSTEP COLLABORATION
2006 – 2011	MEMBER OF THE PLAN COLLABORATION

Observing Experiences

- Very Large Telescope ESO Observatory, Cerro Paranal, Chile
- Large Binocular Telescope, Mount Graham Observatory, USA
- Telescopio Nazionale Galileo, Roque de Los Muchachos Observatory, Spain
- Nordic Optical Telescope 2.56 m telescope, Roque de Los Muchachos Observatory, Spain
- MPG/ESO 2.2 m Telescope, ESO Observatory, La Silla, Chile
- INT 2.5 m Telescope, Roque de Los Muchachos Observatory, Spain

- CAHA 2.2 m Telescope, Calar Alto Observatory, Spain
- Telescopio Copernico, Osservatorio di Asiago, Italy
- Danish 1.54 m Telescope, ESO Observatory, La Silla, Chile
- Telescopio Cassini, Osservatorio di Loiano, Italy
- CAHA 1.23 m Telescope, Calar Alto Observatory, Spain, Spain
- HATSouth survey, HESS Site, Namibia

Invited seminars

- Forum PA POP
Public Administration Forum 2024, Rome Congress Palace, May 23, 2024
Interview on funding for Scientific Research in Italy
- Monthly Research colloquia of ASI, Italian Space Agency, January 23, 2024
Webinar: *Strange new Neptune-sized worlds*
- INAF - Astrophysics and Space Science Observatory of Bologna (OAS), January 26, 2023
Seminar: *Early Release Science investigation of a giant exoplanet with the JWST instruments*
- Conference: “Space Perspectives 2”, University of Rome “Tor Vergata”, January 9, 2023
Seminar: *Searching for potentially habitable exoplanets*
- Conference: “Space Exploration: History, Science and Technologies”, June 26, 2020
Webinar: *Detection and Characterization of Extrasolar Planets*
- ESA, Frascati; May 22, 2018
Seminar: *Extrasolar Planets: Detection methods*
- Pint of Science, Rome; May 16, 2017
Seminar: *Strange, new worlds*
- ASI Science Data Center, Rome; March 16, 2017
Seminar: *Seven new rocky planets in the Trappist-1 planetary system*
- Dipartimento di Fisica, University of Rome “Tor Vergata”, Rome; March 17, 2016
Seminar: *How to detect and characterize Exoplanets*

- Astronomical Observatory of Capodimonte, Napoli; January 13, 2016
Seminar: *Detection and Characterization of Transiting Exoplanets*
- University of Salerno, Fisciano (SA); May 19, 2015
Seminar: *The Kepler strange, new worlds*
- Astrophysical Observatory of Turin; November 27, 2014
Seminar: *Accurate characterisation of transiting exoplanets by photometric follow-up observations*
- Königstuhl Colloquium, MPIA, Heidelberg, Germany; March 28, 2014
Seminar: *The HATSouth Project*
- University of Salerno, Fisciano (SA); January 15, 2013
Seminar: *The extrasolar planets: from hot Jupiters to SuperEarths*
- University of Sannio, Benevento; June 05, 2012
Seminar: *Detection and characterization of extrasolar planets*
- ASI Science Data Center, Frascati (RM); December 20, 2011
Seminar: *The search for extrasolar planets: successes, limits and future prospects*
- Public seminar at the Torre Civica di Bientina (PI); May 27, 2011
Seminar: *Extrasolar planets*
- Astronomical Observatory of Padova, Padova; December 11, 2008
Seminar: *Gravitational Microlensing: The search for exoplanets and MA-CHOs with Microlensing*
- Astronomical Observatory of Rome, Monte Porzio Catone; November 25, 2004
Seminar: *Probing the Galactic Dark Halo by Gravitational Microlensing*

✦ Organization of conferences and schools

- LOC and SOC Member of the 5th Advanced School on Exoplanetary Science – *Physical and Dynamical Processes of Exoplanetary Systems*
May 26 – 30, 2025, Vietri sul Mare, Italy
- LOC Member of the 1st Meeting of the Italian scientific community working on Extrasolar Planets
February 26 – 28, 2025, Accademia dei Lincei, Rome, Italy
- LOC and SOC Member of the 4th Advanced School on Exoplanetary Science – *Astrophysics of Transiting Exoplanets*
May 22 – 26, 2023, Vietri sul Mare, Italy

- LOC and SOC Member of the 3rd Advanced School on Exoplanetary Science – *Demographics of Exoplanetary Systems*
May 27 – 31, 2019, Vietri sul Mare, Italy
- LOC and SOC Member of the 2nd Advanced School on Exoplanetary Science – *Astrophysics of Exoplanetary Atmospheres*
May 22 – 26, 2017, Vietri sul Mare, Italy
- LOC and SOC Member of the 1st Advanced School on Exoplanetary Science – *Methods of detecting extrasolar planets*
May 25 – 29 , 2015, Vietri sul Mare, Italy
- LOC Member of the 15th International Conference on Gravitational Microlensing and School on Planetary Microlensing Events Modelling
January 18 – 22 , 2011, University of Salerno, Italy

✈ Visiting periods

10.02.2025 - 21.02.2025	 Turin Astrophysical Observatory  Turin, Italy	
05.06.2019 - 26.06.2019	 Max Planck Institute for Astronomy  Heidelberg, Germany Planet and Star Formation Dept.	
10.09.2018 - 20.09.2018	 Max Planck Institute for Astronomy  Heidelberg, Germany Planet and Star Formation Dept.	
29.04.2018 - 12.05.2018	 Max Planck Institute for Astronomy  Heidelberg, Germany Planet and Star Formation Dept.	
26.06.2017 - 14.07.2017	 Max Planck Institute for Astronomy  Heidelberg, Germany Planet and Star Formation Dept.	
11.01.2016 - 15.01.2016	 Astronomical Observatory of Capodimonte  Napoli, Italy	
24.11.2014 - 27.11.2014	 Astrophysical Observatory of Turin  Turin, Italy	
15.11.2011 - 18.11.2011	 Keele University  Keele, UK Astrophysics Group	
29.06.2011 - 08.07.2011	 Harvard-Smithsonian Center for Astrophysics  Cambridge, MA, USA	
02.12.2008 - 05.12.2008	 Jodrell Bank Centre for Astrophysics  University of Manchester, UK  Manchester, UK	
02.06.2003 - 13.06.2003	 Potsdam University  Potsdam, Germany	
05.05.2003 - 16.5.2003	 University of Portsmouth  Portsmouth, UK	

🗨️ Talks, posters and participation in schools, meeting, workshops and conferences

- Exoplanets in Italy: “1st Meeting of the Italian scientific community working on extrasolar planets”
Accademia dei Lincei, Rome, Italy; February 26 – 28, 2025
Member of the LOC
- Italian National Conference of Star and Planet Formation
Sesto, Italy; January 27 – 31, 2025
Talk: *The formation pathway of super-massive Neptune-sized planets*
- EXOPLANETS V
Leiden, NL; June 16 – 21, 2024
Poster: *The diversity of Neptune-sized Exoplanets*
- LXV Congresso nazionale della Società Astronomica Italiana – *Dagli Universi isola all’astronomia multimessaggera: 100 anni di rivoluzioni*
Osservatorio Astronomico di Capodimonte, Napoli; June 3 – 7, 2024
Talk: *Neptune-sized exoplanets come in a far more diverse range than we ever imagined*
- ESP 2024: PLATO Planetary Systems – *formation to observed architectures*
Osservatorio Astrofisico di Catania, Catania; May 14 – 16, 2024
Talk: *The surprising range of characteristics found in Neptune-sized Exoplanets*
- 20th GAPS Progress Meeting
Astronomical Observatory of Padova, Italy; April 17 – 19, 2024
- Chianti Topics – 6th International Focus Workshop: Use of small telescopes in the giant era II
Complesso di S. Apollonia, Florence, Italy; February 26 – 29, 2024
Talk: *EDEN Survey: Small Transiting Planet Detection Limits*
- XIX Congresso Nazionale di Scienze Planetarie
Bormio, Italia, February 5 – 9, 2024
Talk: *The diversity of Neptune-sized Exoplanets*
- 19th GAPS Progress Meeting
Archivio di Stato, Piazza Castello, Turin, Italy; November 8 – 19, 2023
- 109° SIF (Società Italiana di Fisica) National Conference
University of Salerno; September 11 – 15, 2023
Talk: *Probing exoplanet atmospheres with the JWST*
- TESS Mission Update Meeting
Eastman Laboratories building, MIT Campus, MA, USA; June 22 – 23, 2023

- Workshop “Vita nello Spazio”
ASI, Italian Space Agency, Rome, Italy; June 16, 2023
- 4th Advanced School on Exoplanetary Science: “Demographics of Exoplanetary Systems”
Lloyd’s Baia Hotel, Vietri sul Mare, Italy; May 22 – 26, 2023
Chair
- XVIII Congresso Nazionale di Scienze Planetarie
Sala dei Notari, Palazzo dei Priori, Perugia, Italy; February 6 – 10, 2023
Talk: *An exoplanet atmosphere as never seen before*
- 14th CARMENES scientific zoom meeting
May 19 – 21, 2021
- PLATO ESP workshop on-line
November 29 – December 3, 2020
- 13th CARMENES scientific zoom meeting
November 16 – 18, 2020
- AASS PhD Astrophysics workshop on-line
September 14 – 18, 2020
- Exoplanets III, Conference on-line
July 27 – 31, 2020
- VST beyond 2021, Conference on-line
June 10 – 12, 2020
- 16th GAPS meeting on-line Meeting
May 4 – 6, 2020
- Frontier Astrophysics with Italian Adaptive Optics
Accademia Nazionale dei Lincei, Rome; February 17 – 19, 2020
- 15th GAPS Meeting
Catania Astrophysical Observatory, Catania, Italy; December 4 – 6, 2019
- 3rd Advanced School on Exoplanetary Science: “Demographics of Exoplanetary Systems”
Lloyd’s Baia Hotel, Vietri sul Mare, Italy; May 27 – 31, 2019
Chair
- LXIII Italian Astronomical Society Conference
Accademia dei Lincei, Rome; May 14 – 17, 2019
Talk: *20 years of Transiting Exoplanets*
- 14th GAPS Meeting
Trieste Astronomical Observatory, Trieste, Italy; May 8 – 10, 2019

- 13th GAPS Meeting
Capodimonte Astronomical Observatory, Naples, Italy; November 28 – 30, 2018
- Workshop - Finding Earth Twins within 10 pc
ASI Science Data Center, Rome; November 19 – 20, 2018
Talk: *EDEN: The Search for Nearby Transiting Earths*
- ESA M4 Ariel-it Workshop
INAF – Rome, Italy; October 2 – 3, 2018
- Transiting Exoplanets
Keele University, UK, July 17 – 21, 2017
- 2nd Advanced School on Exoplanetary Science: “Astrophysics of Exoplanetary Atmospheres”
Istituto Internazionale per gli Alti Studi Scientifici (IIASS), Vietri sul Mare, Italy; May 22 – 26, 2017
Chair
- JWST Info Day
Astronomical Observatory of Rome, Monte Porzio Catone, Italy; March 17, 2017
- 5th CARMENES scientific meeting
Internationales Wissenschaftsforum Heidelberg, Universität Heidelberg, Heidelberg, Germany; November 21 – 24, 2016
- XXIV Convegno Nazionale del GAD
Osservatorio Astronomico di Agerola, Agerola, Italy; October 7 – 8, 2016
Invited talk: *Transiting exoplanets: state of the art and future prospects*
- Japan-Germany Planet & Disk workshop
Beach Hotel Sunshine Ishigaki, Ishigaki, Japan; September 26 – 30, 2016
Talk: *Accurate properties of Transiting Exoplanets from photometric follow-up observations*
- Workshop on Relativistic Astrophysics
Grand Hotel Tiziano e dei Congressi, Lecce, Italy; July 21 – 23, 2016
Talk: *Exoplanets: present and future*
- Exoplanet I
Davos Congress Center, Davos, Switzerland; July 3 – 8, 2016
Poster: *The HATSouth survey for transiting exoplanets*
Poster: *Photometric follow-up for transiting exoplanets*
- 2nd Chianti Topics workshop: “Use of small telescopes in the giant era”
Osservatorio Polifunzionale del Chianti, San Donato in Poggio, Firenze, Italy; May 11 – 13, 2016
Talk: *The HATSouth survey*

- 8th GAPS Progress Meeting
Astronomical Observatory of Padova, Italy; April 6 – 8, 2016
- 7th GAPS Progress Meeting
Catania Astrophysical Observatory, Catania; November 4 – 6, 2015
Talk: *The KOI-372 planetary system*
- OHP 2015: Twenty years of giant exoplanets
Saint-Michel-l’Observatoire, France; October 5 - 9, 2015
Poster: *Eight years of accurate photometric follow-up of transiting giant exoplanets*
- Exo-planetary atmospheres: models and laboratory analogues International Focus Workshop
Osservatorio Polifunzionale del Chianti, San Donato in Poggio, Firenze, Italy; September 15 – 17, 2015
Talk: *Transmission photometry to probe the atmosphere of transiting exoplanets*
- 1st Advanced School on Exoplanetary Science: “Methods of detecting extrasolar planets”
Istituto Internazionale per gli Alti Studi Scientifici (IIASS), Vietri sul Mare, Italy; May 25 – 29, 2015
Chair
- Networking Qatar Exoplanet Research Workshop
Qatar National Convention Centre, Doha, Qatar; March 2 – 4, 2015
Invited talk: *Photometric follow-ups observations of transiting planets*
- Getting ready for Planetology beyond the Solar System
Ringberg Castle, Germany; November 17 – 19, 2014
Talk: *Accurate properties of extrasolar planets from observations of transit events*
- Exo-Planets and their Formation
Haus der Astronomie, MPIA Campus, Heidelberg, Germany; November 4 – 7, 2014
Invited talk: *Photometric follow-ups of transiting exoplanets with ground-based medium-class telescopes*
- 5th GAPS Progress Meeting
Astronomical Observatory of Capodimonte, Napoli; October 22 – 24, 2014
Talk: *Photometric follow-up of planetary transits from Loiano and Calar Alto*
- Exoplanets with JWST – MIRI
Haus der Astronomie, MPIA Campus, Heidelberg, Germany; September 22 – 25, 2014
Talk: *Studying transiting exoplanets with ground-based medium-class telescopes*

- Towards Other Earths II: The Star-Planet Connection
Oporto, Portugal; September 15 – 19, 2014
Poster: *Photometric follow-up of transiting exoplanets with ground-based medium-class telescopes*
- Exoclimates III: The Diversity of Planetary Atmospheres, Davos, Switzerland, Febbraio 9–14, 2014
Ground-based Spectroscopy of Exoplanets Atmospheres, MPIA, Heidelberg, Germany; November 4 – 6, 2013
Invited talk: *Simultaneous Multi-band Photometry*
- 3rd GAPS Progress Meeting
Università di Palermo, Palermo, October 24 - 25, 2013
- Observing techniques, instrumentation and science for metre-class telescopes
Tatranská Lomnica, Slovakia; September 23 – 26, 2013
Invited talk: *High-precision ground-based photometry*
- European Planetary Science Congress 2013, University College London, United Kingdom; September 8 – 13, 2013 Talk: *Photometric follow-up of transiting extrasolar planets and the HATSouth survey*
- Protostars & Planets VI, Convention Center Heidelberg, Germany, July 15 – 20, 2013 Poster: *The HATSouth Project*
- 1st Doha International Astronomy Conference
Gravitational Microlensing: 101 years from theory to practice
Doha, Qatar; February 10 – 13, 2013
Talk: *Photometric follow-up of transiting planets*
- Great-ESF Workshop. GAIA and exoplanets: Great Synergies on the Horizon
Torino; Italia November 5 – 7, 2012
Talk: *HAT-South: a global network of automated telescopes to detect transiting exoplanets*
- Characterizing & Modeling Extrasolar Planetary Atmospheres: Theory & Observation
MPIA summer conference 2012, Heidelberg, Germany; July 16 – 20, 2012
- Annual meeting of the Astronomische Gesellschaft, “Surveys & Simulations - The Real and the Virtual Universe”
Università di Heidelberg, Germany; September 19 – 23, 2011
- III Workshop on Relativistic Astrophysics
University of Salento, Lecce, Italy; June 20 – 22, 2011
Talk: *Scaling laws and fundamental equations for supermassive black holes in galaxies*

- XV International Conference on Gravitational Microlensing
University of Salerno, Salerno, Italy; January 20 – 22, 2011
Talk: *Analysis of microlensing events towards the LMC*
- School on Modelling Planetary Microlensing Events
University of Salerno, Salerno, Italy; January 18 – 19, 2011,
- X Convegno Nazionale dell’Iniziativa Specifica NA12, “Gravitation and Inflationary Cosmology”
Università di Naples, Napoli, Italy, October 25, 2010
Talk: *Accurate properties of extrasolar planets via telescope defocussing*
- IX Convegno Nazionale dell’Iniziativa Specifica NA12, “Gravitation and Inflationary Cosmology”
Politecnico di Torino, Turin, Italy; September 28 – 29, 2009
Talk: *The physical connection between the mass of the black holes and the kinetic energy of the host galaxies*
- Galactic Center Workshop 2009
Shanghai, China; October 19 – 23, 2009
Talk: *Gravitational lensing in the Galactic center*
- Twelfth Marcel Grossmann Meeting on general relativity and astrophysics
UNESCO Headquarters, Paris, France; July 12 – 18, 2009
Talk: *Gravitational lensing of S-star cluster by Sgr A**
- II Workshop on Relativistic Astrophysics
ICRA, Pescara, Italia; July 8 – 10, 2009
Talk: *The M^2 versus $MG\sigma^2$ relation: a comparison between real data and numerical models*
- VIII Department Conference
Department of Physics, University of Salerno, Italy; April 22 – 23, 2009
Talk: *The Planetary system WASP-5*
- 13th Microlensing Workshop
Institut d’Astrophysique de Paris, France; January 19 – 21, 2009
Talk: *Gravitational lensing and microlensing for stars around Sgr A**
- IAU Symposium 254, “The Galaxy Disk in Cosmological Context”
University of Copenhagen, Denmark; June 9 – 13, 2008
- VIII Convegno Nazionale dell’Iniziativa Specifica NA12, “Gravitation and Inflationary Cosmology”
Department of Physics, University of Salerno, Italia; October 2 – 3, 2008
Talk: *Search of exoplanets by ARTEMiS*
- Manchester Microlensing Conference, the 12th International Conference and ANGLES Microlensing Workshop
University of Manchester, UK; January 21 – 25, 2008

Talk: *Non-Gaussian velocity distribution for the LMC sources: Microlensing implications*

- VII Convegno Nazionale dell’Iniziativa Specifica NA12, “Gravitation and Inflationary Cosmology”
Department of Physics G. Galilei, University of Padova, Italy; September 27 – 28, 2007
Talk: *Employment of a Non-Gaussian function to describe the LMC sources*
- IAU Symposium 245, “Formation and Evolution of Galaxy Bulges”
Università di Oxford, UK; July 16 – 20, 2007
Poster: *New Indications on the Galactic Bulge IMF by Microlensing Surveys*
- I Workshop on Relativistic Astrophysics
University of Salento, Lecce, Italy; June 20 – 22, 2007
Talk: *Gravitational lensing by the supermassive black hole in the center of M31*
- Eleventh Marcel Grossmann Meeting on General Relativity
Freie Universität Berlin, Germany; July 23 – 29, 2006
Talk: *Gravitational lensing of stars surrounding supermassive black holes*
- Workshop di Astronomia e Astrofisica per Studenti
University of Napoli, Italy; Aprile 19 – 20, 2006
Review talk: *Gravitational Microlensing: the Search of Machos in the Galactic Halo*
- V Convegno Nazionale dell’Iniziativa Specifica NA12, “Gravitation and Inflationary Cosmology”
Department of Physics, Politecnico di Torino, Italy; October 27 – 28, 2005
Talk: *Gravitational Lensing of stars in the central arcsecond of our Galaxy*
- XXVIII Spanish Relativity Meeting 2005 “A Century of Relativity Physics”
Oviedo, Spain; September 6 – 10, 2005
Talk: *Gravitational Lensing of Stars Orbiting Sgr A**
- IAU Symposium 225, “Impact of Gravitational Lensing on Cosmology”
Lausanne, Switzerland; July 19 – 23, 2004
Poster: *Gravitational Lensing by Sgr A**
- III Congresso Nazionale “Astrofisica degli Oggetti Compatti”
Osservatorio Astronomico di Monteporzio Catone (Roma), Italy; December 9 – 11, 2003
Talk: *Gravitational Microlensing towards the Magellanic Clouds*
- Tenth Marcel Grossmann Meeting on General Relativity “On recent developments in theoretical and experimental general relativity, gravitation and relativistic field theories”

Rio de Janeiro, Brazil; July 20 – 26, 2003

Talk: *On the Mass of the Gravitational Lenses in LMC*

- ISAPP 2003, International School on Astro Particle Physics, European Doctorate School
Conca Specchiulla (Otranto), Italy; June 15 – 21, 2003
Talk: *Compact Baryonic Dark Matter revealed by Microlensing towards the LMC*
- Highlights in Condensed Matter Physics
Castello di Arechi, Salerno, Italy; May 9 – 11, 2003
Talk: *Compact Dark Objects and Gravitational Microlensing towards the Large Magellanic Cloud*
- Saas-Fee Advanced Course 33 (2003) “Gravitational Lensing: Strong, Weak and Micro”
Swiss Society for Astrophysics and Astronomy, Les Diablerets, Switzerland; April 2003
- Saas-Fee Advanced Course 32 (2002) “The Cold Universe”
Swiss Society for Astrophysics and Astronomy, Les Diablerets, Switzerland; April 2002
Poster: *Gravitational Microlensing by PLAGs*
- XIIIrd Rencontres de Blois “Frontiers of the Universe”
Blois, France; June 2001
- The IX Marcel Grossmann Meeting, “On recent developments in theoretical and experimental general relativity, gravitation and relativistic field theories”
University of Rome “La Sapienza”, Rome, Italy; July 2 – 8, 2000
- Doctoral School on “Relativistic Cosmology: Theory and Observation”
Centre for Scientific Culture “Alessandro Volta”, Villa Olmo, Como, Italy; April 2000
- Workshop on Gravitational Lensing
Isola di Capri, Italia; September 27 – October 2, 1999
Talk: *Gravitational lensing of a diffuse background source*

Teaching



Summer semester 2025	Department of Physics, University of Rome “Tor Vergata” Master degree in Physics Course: Astrophysical Techniques
Winter semester 2024/25	Department of Physics, University of Rome “Tor Vergata” Master degree in Physics Course: Exoplanets
July 2024	Centre international de Valbonne, France MASS Summer School Lecture: How to make a Color-Magnitude diagram
Summer semester 2024	Department of Physics, University of Rome “Tor Vergata” Master degree in Physics Course: Astrophysical Techniques
January 2024	Department of Physics, University of Rome “Tor Vergata” MASS Winter School Lecture: Aperture Photometry and Light Curves
Winter semester 2023/24	Department of Physics, University of Rome “Tor Vergata” Master degree in Physics Course: Exoplanets
Summer semester 2023	Department of Physics, University of Rome “Tor Vergata” Master degree in Physics Course: Astrophysical Techniques
Winter semester 2022/23	Department of Physics, University of Rome “Tor Vergata” Master degree in Physics Course: Exoplanets
Summer semester 2022	Department of Physics, University of Rome “Tor Vergata” Master degree in Physics Course: Astrophysical Techniques
Winter semester 2021/22	Department of Physics, University of Rome “Tor Vergata” Master degree in Physics Course: Exoplanets
Winter semester 2021/22	Department of Physics, University of Rome “Tor Vergata” Bachelor degree in Media Sciences and Technologies Course: Physics 2
Summer semester 2021	Department of Physics, University of Rome “Tor Vergata” Bachelor degree in Physics Course: Introduction to Astronomy
Winter semester	Department of Physics, University of Rome “Tor Vergata” Bachelor degree in Media Sciences and Technologies

2020/21	Course: Physics 2
Summer semester 2020	Department of Physics, University of Rome "Tor Vergata" Bachelor degree in Physics Course: Introduction to Astronomy
Winter semester 2019/20	Department of Physics, University of Rome "Tor Vergata" Bachelor degree in Media Sciences and Technologies Course: Physics 2
Summer semester 2019	Department of Physics, University of Rome "Tor Vergata" Bachelor degree in Physics Course: Introduction to Astronomy
Winter semester 2018/19	Department of Physics, University of Rome "Tor Vergata" Bachelor degree in Media Sciences and Technologies Course: Physics 2
Summer semester 2018	Department of Physics, University of Rome "Tor Vergata" Bachelor degree in Physics Course: Introduction to Astronomy
Winter semester 2017/18	Department of Physics, University of Rome "Tor Vergata" Bachelor degree in Media Sciences and Technologies Course: Physics 2
Summer semester 2017	Department of Physics, University of Rome "Tor Vergata" Bachelor degree in Physics Course: Introduction to Astronomy
Winter semester 2010/11	Department of Physics, University of Salerno Master degree in Physics Course assistant: Astrophysical techniques
Winter semester 2010/11	Department of Physics, University of Salerno Bachelor degree in Physics Course assistant: Astronomy
Summer Semester 2010	Engineering Department, University of Sannio, Benevento Bachelor degree in Engineering Course assistant: Physics I and Physics II
Oct – Dec 2010	PON "Skills Development" 2007-IT-05 1 PO 007 Corso C-1-FSE-2009-4537 Liceo Scientifico "P.S. Mancini", Avellino, Italy Course: Astronomy
Winter semester 2009/10	Department of Physics, University of Salerno Master degree in Physics Course assistant: Astrophysical techniques
Winter	Engineering Department, University of Sannio, Benevento

semester 2009/10	Bachelor degree in Engineering Course assistant: Physics I
Mar – May 2009	PON “Skills Development” 2007-IT-05 1 PO 007 Corso C-1-ESF-2008-2617 Liceo Scientifico “P.S. Mancini”, Avellino, Italy Course: Astronomy
Winter semester 2008/09	Engineering Department, University of Sannio, Benevento Bachelor degree in Engineering Course assistant: Physics I
Winter semester 2008/09	Department of Physics, University of Salerno Master degree in Physics Course assistant: Astrophysical techniques
Winter semester 2007/08	Department of Physics, University of Salerno Master degree in Physics Course assistant: Astronomical spectroscopy
Winter semester 2006/07	Department of Physics, University of Salerno Master degree in Physics Course assistant: Astrophysical techniques
Winter semester 2005/06	Department of Physics, University of Salerno Master degree in Physics Course assistant: Astrophysical techniques
Winter semester 2004/05	Department of Physics, University of Salerno Master degree in Physics Course assistant: Astronomical techniques



Teaching (responsibilities)

2023 - present

Member of the teaching committee
Erasmus Mundus joint Master degree
Master in Astrophysics and Space Science
 University of Rome “Tor Vergata”
 Rome, Italy
Department of Physics



2020 - present

Member of the teaching committee
 University of Rome “Tor Vergata”
 Rome, Italy
Department of Physics



PhD committee

2018 – present	Board member of the Joint Ph.D. program in ASTRONOMY, ASTROPHYSICS AND SPACE SCIENCE La Sapienza, University of Rome; University of Rome “Tor Vergata”; INAF
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Supervision of Ph.D. students

2023 – present	Ms Francesca Manni Department of Physics, University of Rome “Tor Vergata”
2022 – present	Mr Simone Filomeno Department of Physics, University of Rome “Tor Vergata”
2021 – present	Mr Mario Basilicata Department of Physics, University of Rome “Tor Vergata”
2020 – 2023	Mr Luca Naponiello Department of Physics, University of Rome “Tor Vergata”
2016 – 2020	Ms Paula Sarkis MPIA, Universität di Heidelberg, Germany
2012 – 2016	Ms Simona Ciceri MPIA, University of Heidelberg, Germany
2015	Mr Mosè Giordano University of Salento, Ph.D. student Internship

Undergraduate-student supervision



Winter semester 2023	Mr Valerio Lami Department of Physics, University of Rome “Tor Vergata” M.Sc. thesis
Winter semester 2022	Mr Francesco Biagiotti Department of Physics, University of Rome “Tor Vergata” M.Sc. thesis
Winter semester 2020	Mr Francesco Biagiotti Department of Physics, University of Rome “Tor Vergata” B.Sc. thesis
Winter semester 2018	Mr Selçuk Yalçınkaya University of Ankara, Turkey Internship at the University of Rome “Tor Vergata”
Winter semester 2015	Ms Paula Sarkis Notre Dame University, Beirut, Libano

	Internship at the Max Planck Institute for Astronomy
Summer semester 2015	Mr Giuseppe Raia University of Napoli Internship at the Max Planck Institute for Astronomy
Summer semester 2015	Mr Jonas Kemmer University of Heidelberg, Germany B.Sc. thesis
Summer semester 2015	Mr Jan Philip Sindel University of Heidelberg, Germany B.Sc. thesis
Summer semester 2014	Mr Carsten Steckbauer University of Heidelberg, Germany B.Sc. thesis
Summer semester 2014	Ms Antonella Lucia Ianniela Department of Physics, University of Salerno Erasmus student at Max Planck Institute for Astronomy
Summer semester 2013	Ms Tanja Schröder University of Frankfurt, Germany Internship at the Max Planck Institute for Astronomy
Winter semester 2011	Ms Simona Ciceri Department of Physics, University of Milano M.Sc. thesis
Winter semester 2010	Ms Adriana Postiglione Department of Physics, University of Salerno B.Sc. thesis
Winter semester 2009	Mr Luca Santoro Department of Physics, University of Salerno M.Sc. thesis
Winter semester 2008	Ms Laura Inno Department of Physics, University of Salerno B.Sc. thesis

External examiner for PhD thesis

27.06.2024	Mr Alfredo Biagini  University of Palermo
12.04.2021	Mr Giuseppe Frustagli  University of Milano-Bicocca
17.07.2020	Ms Daniela Sicilia  University of Padova
22.07.2019	Mr Matthew Hooton  Queen's University Belfast, UK

External reviewer for PhD Thesis

December 2023	Mr Antonio Franco  University of Salento
January 2021	Ms Daria Desidera  University of Padova
Premio Tacchini 2021	Member of the Evaluation Committee
Premio Tacchini 2020	Member of the Evaluation Committee

Publications

Total number of papers published in peer-reviewed journals: **274**
(source: Astrophysics Data System – February 2025)

Indices (source: Astrophysics Data System)

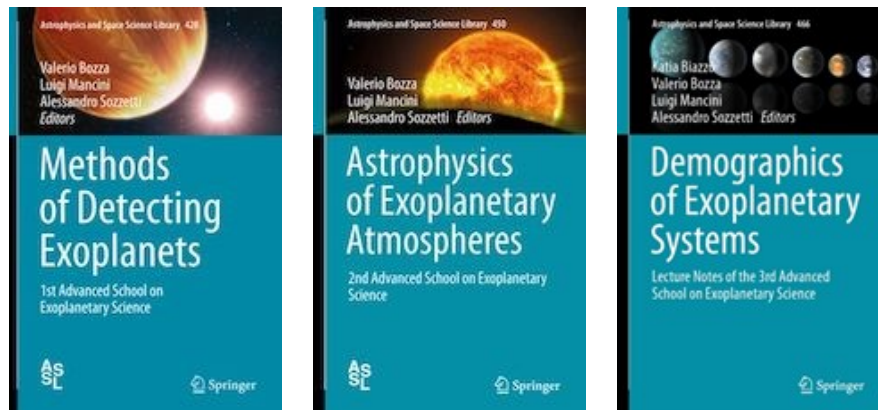
h-index = 54
m-index = 2.3
g-index = 84
i10-index = 227
i100-index = 22
tori index = 9.5
riq index = 128
read10-index = 411.9

Books

K. Biazzo, V. Bozza, **L. Mancini**, and A. Sozzetti, *Demographics of Exoplanetary Systems*, Astrophysics and Space Science Library, 466, Springer Nature Switzerland AG 2022, Gennaio 2022

V. Bozza, **L. Mancini**, and A. Sozzetti, *Astrophysics of Exoplanetary Atmospheres*, Astrophysics and Space Science Library, 450, Springer International Publishing AG, part of Springer Nature 2018, Luglio 2018

V. Bozza, **L. Mancini**, and A. Sozzetti, *Methods of Detecting Exoplanets*, Astrophysics and Space Science Library, 428, Springer International Publishing Switzerland 2016, Aprile 2016



Papers published in peer-reviewed journals

- [1] D. Nardiello, J. M. Akana Murphy, R. Spinelli, M. Baratella, S. Desidera, V. Nascimbeni, L. Malavolta, K. Biazzo, A. Maggio, D. Locci, S. Benatti, N. M. Batalha, V. D’Orazi, L. Borsato, G. Piotto, R. J. Oelkers, M. Mallonn, A. Sozzetti, L. R. Bedin, G. Mantovan, T. Zingales, L. Affer, A. Bignamini, A. S. Bonomo, L. Cabona, K. A. Collins, M. Damasso, S. Filomeno, A. Ghedina, A. Harutyunyan, A. F. Lanza, **L. Mancini**, M. Rainer, G. Scandariato, R. P. Schwarz, R. Sefako, and G. Srdoc. The GAPS Programme at TNG: LXV. Precise density measurement of TOI-1430 b, a young planet with an evaporating atmosphere. *Astronomy & Astrophysics*, 693:A32, January 2025.
- [2] L. Naponiello, A. S. Bonomo, **L. Mancini**, M. L. Steinmeyer, K. Biazzo, D. Polychroni, C. Dorn, D. Turrini, A. F. Lanza, A. Sozzetti, S. Desidera, M. Damasso, K. A. Collins, I. Carleo, K. I. Collins, S. Colombo, M. C. D’Arpa, X. Dumusque, M. González, G. Guilluy, V. Lorenzi, G. Mantovan, D. Nardiello, M. Pinamonti, R. P. Schwarz, V. Singh, C. N. Watkins, and T. Zingales. The GAPS programme at TNG: LXIV. An inner eccentric sub-Neptune and an outer sub-Neptune-mass candidate around BD+00 444 (TOI-2443). *Astronomy & Astrophysics*, 693:A7, January 2025.
- [3] M. C. D’Arpa, G. Guilluy, G. Mantovan, F. Biassoni, R. Spinelli, D. Sicilia, D. Locci, A. Maggio, A. F. Lanza, A. Petralia, C. Di Maio, S. Benatti, A. S. Bonomo, F. Borsa, L. Cabona, S. Desidera, L. Fossati, G. Micela, L. Malavolta, **L. Mancini**, G. Scandariato, A. Sozzetti, M. Stangret, L. Affer, F. Amadori, M. Basilicata, A. Bignamini, W. Boschin, and A. Ghedina. The GAPS programme at TNG: LXIII. Photo-evaporating puzzle: Exploring the enigmatic nature of TOI-5398 b’s atmospheric signal. *Astronomy & Astrophysics*, 692:A77, December 2024.
- [4] M. Stangret, L. Fossati, M. C. D’Arpa, F. Borsa, V. Nascimbeni, L. Malavolta, D. Sicilia, L. Pino, F. Biassoni, A. S. Bonomo, M. Brogi, R. Claudi, M. Damasso, C. Di Maio, P. Giacobbe, G. Guilluy, A. Harutyunyan, A. F. Lanza, A. F. Martínez Fiorenzano, **L. Mancini**, D. Nardiello, G. Scandariato, A. Sozzetti, and T. Zingales. The GAPS programme at TNG: LXII. Studies of atmospheric FeII winds in ultra-hot Jupiters KELT-9b and KELT-20b using the HARPS-N spectrograph. *Astronomy & Astrophysics*, 692:A76, December 2024.
- [5] S. Filomeno, K. Biazzo, M. Baratella, S. Benatti, V. D’Orazi, S. Desidera, **L. Mancini**, S. Messina, D. Polychroni, D. Turrini, L. Cabona, I. Carleo, M. Damasso, L. Malavolta, G. Mantovan, D. Nardiello, G. Scandariato, A. Sozzetti, T. Zingales, G. Andreuzzi, S. Antonucci, A. Bignamini, A. S. Bonomo, R. Claudi, R. Cosentino, A. F. M. Fiorenzano, S. Fonte, A. Harutyunyan, and C. Knapic. The GAPS Programme at TNG: LXI. Atmospheric parameters and elemental abundances of TESS young exoplanet host stars. *Astronomy & Astrophysics*, 690:A370, October 2024.

- [6] M. Damasso, D. Locci, S. Benatti, A. Maggio, M. Baratella, S. Desidera, K. Biazzo, E. Palle, S. Wang, D. Nardiello, L. Borsato, A. S. Bonomo, S. Messina, G. Nowak, A. Goyal, V. J. S. Béjar, A. Bignamini, L. Cabona, I. Carleo, R. Claudi, R. Cosentino, S. Filomeno, C. Knapic, N. Lodieu, V. Lorenzi, L. Malavolta, M. Mallorquín, **L. Mancini**, G. Mantovan, G. Micela, F. Murgas, J. Orell-Miquel, M. Pedani, M. Pinamonti, A. Sozzetti, R. Spinelli, M. R. Zapatero Osorio, and T. Zingales. The GAPS Programme at TNG: LIX. Characterisation study of the ~ 300 Myr-old multi-planetary system orbiting the star BD+40 2790 (TOI-2076). *Astronomy & Astrophysics*, 690:A235, October 2024.
- [7] A. Ruggieri, S. Desidera, A. Sozzetti, F. Marzari, M. Pinamonti, R. Gratton, K. Biazzo, V. D’Orazi, L. Malavolta, D. Mesa, R. Claudi, S. Benatti, A. Bignamini, L. Cabona, G. Chauvin, J. Hagelberg, **L. Mancini**, G. Mantovan, M. Molinaro, D. Nardiello, G. Scandariato, A. Vigan, and T. Zingales. The GAPS Programme at TNG: LVIII. Two multi-planet systems with long-period substellar companions around metal-rich stars. *Astronomy & Astrophysics*, 689:A235, September 2024.
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- [9] A. L. Carter, E. M. May, N. Espinoza, L. Welbanks, E. Ahrer, L. Alderson, R. Brahm, A. D. Feinstein, D. Grant, M. Line, G. Morello, R. O’Steen, M. Radica, Z. Rustamkulov, K. B. Stevenson, J. D. Turner, M. K. Alam, D. R. Anderson, N. M. Batalha, M. P. Battley, D. Bayliss, J. L. Bean, B. Benneke, Z. K. Berta-Thompson, J. Brande, E. M. Bryant, M. R. Burleigh, L. Coulombe, I. J. M. Crossfield, M. Damiano, J. M. Désert, L. Flagg, S. Gill, J. Inglis, J. Kirk, H. Knutson, L. Kreidberg, M. López Morales, M. Mansfield, S. E. Moran, C. A. Murray, M. C. Nixon, D. J. M. Petit dit de la Roche, B. V. Rackham, E. Schlawin, D. K. Sing, H. R. Wakeford, N. L. Wallack, P. J. Wheatley, S. Zieba, K. Aggarwal, J. K. Barstow, T. J. Bell, J. Blečić, C. Caceres, N. Crouzet, P. E. Cubillos, T. Daylan, M. de Val-Borro, L. Decin, J. J. Fortney, N. P. Gibson, K. Heng, R. Hu, E. M. R. Kempton, P. Lagage, J. D. Lothringer, J. Lustig-Yaeger, **L. Mancini**, N. J. Mayne, L. C. Mayorga, K. Molaverdikhani, E. Nasedkin, K. Ohno, V. Parmentier, D. Powell, S. Redfield, P. Roy,

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- [10] Taylor J. Bell, Nicolas Crouzet, Patricio E. Cubillos, Laura Kreidberg, Anjali A. A. Piette, Michael T. Roman, Joanna K. Barstow, Jasmina Blecic, Ludmila Carone, Louis-Philippe Coulombe, Elsa Ducrot, Mark Hammond, João M. Mendonça, Julianne I. Moses, Vivien Parmentier, Kevin B. Stevenson, Lucas Teinturier, Michael Zhang, Natalie M. Batalha, Jacob L. Bean, Björn Benneke, Benjamin Charnay, Katy L. Chubb, Brice-Olivier Demory, Peter Gao, Elspeth K. H. Lee, Mercedes López-Morales, Giuseppe Morello, Emily Rauscher, David K. Sing, Xianyu Tan, Olivia Venot, Hannah R. Wakeford, Keshav Aggarwal, Eva-Maria Ahrer, Munazza K. Alam, Robin Baeyens, David Barrado, Claudio Caceres, Aarynn L. Carter, Sarah L. Casewell, Ryan C. Challener, Ian J. M. Crossfield, Leen Decin, Jean-Michel Désert, Ian Dobbs-Dixon, Achrène Dyrek, Néstor Espinoza, Adina D. Feinstein, Neale P. Gibson, Joseph Harrington, Christiane Helling, Renyu Hu, Nicolas Iro, Eliza M. R. Kempton, Sarah Kendrew, Thaddeus D. Komacek, Jessica Krick, Pierre-Olivier Lagage, Jérémy Leconte, Monika Lendl, Neil T. Lewis, Joshua D. Lothringer, Isaac Malsky, **Luigi Mancini**, Megan Mansfield, Nathan J. Mayne, Thomas M. Evans-Soma, Karan Molaverdikhani, Nikolay K. Nikolov, Matthew C. Nixon, Enric Palle, Dominique J. M. Petit dit de la Roche, Caroline Piaulet, Diana Powell, Benjamin V. Rackham, Aaron D. Schneider, Maria E. Steinrueck, Jake Taylor, Luis Welbanks, Sergei N. Yurchenko, Xi Zhang, and Sebastian Zieba. Nightside clouds and disequilibrium chemistry on the hot Jupiter WASP-43b. *Nature Astronomy*, 8:879–898, July 2024.
- [11] M. Montalto, N. Greco, K. Biazzo, S. Desidera, G. Andreuzzi, A. Bieryla, A. Bignamini, A. S. Bonomo, C. Briceño, L. Cabona, R. Cosentino, M. Damasso, A. Fiorenzano, W. Fong, B. Goeke, K. M. Hesse, V. B. Kostov, A. F. Lanza, D. W. Latham, N. Law, **L. Mancini**, A. Maggio, M. Molinaro, A. W. Mann, G. Mantovan, L. Naponiello, D. Nardiello, V. Nascimbeni, I. Pagano, M. Pedani, B. S. Safonov, G. Scandariato, S. Seager, V. Singh, A. Sozzetti, I. A. Strakhov, J. N. Winn, C. Ziegler, and T. Zingales. The GAPS programme at TNG. LVII. TOI-5076b: A warm sub-Neptune planet orbiting a thin-to-thick-disk transition star in a wide binary system. *Astronomy & Astrophysics*, 687:A226, July 2024.
- [12] D. Sicilia, G. Scandariato, G. Guilluy, M. Esposito, F. Borsa, M. Stangret, C. Di Maio, A. F. Lanza, A. S. Bonomo, S. Desidera, L. Fossati, D. Nardiello, A. Sozzetti, L. Malavolta, V. Nascimbeni, M. Rainer, M. C. D’Arpa, **L. Mancini**, V. Singh, T. Zingales, L. Affer, A. Bignamini, R. Claudi, S. Colombo, R. Cosentino, A. Ghedina, G. Micela, E. Molinari, M. Molinaro, I. Pagano, and G. Piotto. The GAPS Programme at TNG. LVI. Characterisation of the low-density gas giant HAT-P-67 b with GIARPS. *Astronomy & Astrophysics*, 687:A143, July 2024.

- [13] M. Basilicata, P. Giacobbe, A. S. Bonomo, G. Scandariato, M. Brogi, V. Singh, A. Di Paola, **L. Mancini**, A. Sozzetti, A. F. Lanza, P. E. Cubillos, M. Damasso, S. Desidera, K. Biazzo, A. Bignamini, F. Borsa, L. Cabona, I. Carleo, A. Ghedina, G. Guilluy, A. Maggio, G. Mainella, G. Micela, E. Molinari, M. Molinaro, D. Nardiello, M. Pedani, L. Pino, E. Poretti, J. Southworth, M. Stangret, and D. Turrini. The GAPS Programme at TNG. LV. Multiple molecular species in the atmosphere of HAT-P-11 b and review of the HAT-P-11 planetary system. *Astronomy & Astrophysics*, 686:A127, June 2024.
- [14] G. Guilluy, M. C. D’Arpa, A. S. Bonomo, R. Spinelli, F. Biassoni, L. Fossati, A. Maggio, P. Giacobbe, A. F. Lanza, A. Sozzetti, F. Borsa, M. Rainer, G. Micela, L. Affer, G. Andreuzzi, A. Bignamini, W. Boschin, I. Carleo, M. Ceconi, S. Desidera, V. Fardella, A. Ghedina, G. Mantovan, **L. Mancini**, V. Nascimbeni, C. Knapic, M. Pedani, A. Petralia, L. Pino, G. Scandariato, D. Sicilia, M. Stangret, and T. Zingales. The GAPS Programme at TNG. LIV. A He I survey of close-in giant planets hosted by M-K dwarf stars with GIANO-B. *Astronomy & Astrophysics*, 686:A83, June 2024.
- [15] S. Yalçınkaya, E. M. Esmer, Ö. Baştürk, A. Muhaymin, A. C. Kutluay, D. İ. Silistre, F. Akar, J. Southworth, **L. Mancini**, F. Davoudi, E. Karamanlı, F. Tezcan, E. Demir, D. Yılmaz, E. Güleroglu, M. Tekin, İ. Taşkın, Y. Aladağ, E. Sertkan, U. Y. Kurt, S. Fişek, S. Kaptan, S. Aliş, N. Aksaker, F. K. Yelkenci, C. T. Tezcan, A. Kaya, D. Oğlakkaya, Z. S. Aydın, and C. Yeşilyaprak. Looking for timing variations in the transits of 16 exoplanets. *MNRAS*, 530(3):2475–2495, May 2024.
- [16] F. Biagiotti, **L. Mancini**, J. Southworth, J. Tregloan-Reed, L. Naponiello, U. G. Jørgensen, N. Bach-Møller, M. Basilicata, M. Bonavita, V. Bozza, M. J. Burgdorf, M. Dominik, R. Figuera Jaimes, Th. Henning, T. C. Hinse, M. Hundertmark, E. Khalouei, P. Longa-Peña, N. Peixinho, M. Rabus, S. Rahvar, S. Sajadian, J. Skottfelt, C. Snodgrass, Y. Jongen, and J. P. Vignes. Star-spot activity, orbital obliquity, transmission spectrum, physical properties, and transit time variations of the HATS-2 planetary system. *Astronomy & Astrophysics*, 685:A131, May 2024.
- [17] G. Mantovan, L. Malavolta, D. Locci, D. Polychroni, D. Turrini, A. Maggio, S. Desidera, R. Spinelli, S. Benatti, G. Piotto, A. F. Lanza, F. Marzari, A. Sozzetti, M. Damasso, D. Nardiello, L. Cabona, M. D’Arpa, G. Guilluy, **L. Mancini**, G. Micela, V. Nascimbeni, and T. Zingales. Orbital obliquity of the young planet TOI-5398 b and the evolutionary history of the system. *Astronomy & Astrophysics*, 684:L17, April 2024.
- [18] C. Di Maio, A. Petralia, G. Micela, A. F. Lanza, M. Rainer, L. Malavolta, S. Benatti, L. Affer, J. Maldonado, S. Colombo, M. Damasso, A. Maggio, K. Biazzo, A. Bignamini, F. Borsa, W. Boschin, L. Cabona, M. Ceconi, R. Claudi, E. Covino, L. Di Fabrizio, R. Gratton, V. Lorenzi, **L. Mancini**,

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- [19] Diana Powell, Adina D. Feinstein, Elspeth K. H. Lee, Michael Zhang, Shang-Min Tsai, Jake Taylor, James Kirk, Taylor Bell, Joanna K. Barstow, Peter Gao, Jacob L. Bean, Jasmina Blečić, Katy L. Chubb, Ian J. M. Crossfield, Sean Jordan, Daniel Kitzmann, Sarah E. Moran, Giuseppe Morello, Julianne I. Moses, Luis Welbanks, Jeehyun Yang, Xi Zhang, Eva-Maria Ahrer, Aaron Bello-Arufe, Jonathan Brande, S. L. Casewell, Nicolas Crouzet, Patricio E. Cubillos, Brice-Olivier Demory, Achrène Dyrek, Laura Flagg, Renyu Hu, Julie Inglis, Kathryn D. Jones, Laura Kreidberg, Mercedes López-Morales, Pierre-Olivier Lagage, Erik A. Meier Valdés, Yamila Miguel, Vivien Parmentier, Anjali A. A. Piette, Benjamin V. Rackham, Michael Radica, Seth Redfield, Kevin B. Stevenson, Hannah R. Wakeford, Keshav Aggarwal, Munazza K. Alam, Natalie M. Batalha, Natasha E. Batalha, Björn Benneke, Zach K. Berta-Thompson, Ryan P. Brady, Claudio Caceres, Aarynn L. Carter, Jean-Michel Désert, Joseph Harrington, Nicolas Iro, Michael R. Line, Joshua D. Lothringer, Ryan J. MacDonald, **Luigi Mancini**, Karan Molaverdikhani, Sagnick Mukherjee, Matthew C. Nixon, Apurva V. Oza, Enric Palle, Zafar Rustamkulov, David K. Sing, Maria E. Steinrueck, Olivia Venot, Peter J. Wheatley, and Sergei N. Yurchenko. Sulfur dioxide in the mid-infrared transmission spectrum of WASP-39b. *Nature*, 626(8001):979–983, February 2024.
- [20] R. Claudi, G. Bruno, L. Fossati, A. F. Lanza, A. Maggio, G. Micela, J. Maldonado, S. Benatti, K. Biazzo, A. Bignamini, L. Cabona, I. Carleo, C. Danielski, S. Desidera, L. Malavolta, **L. Mancini**, M. Montalto, D. Nardiello, M. Rainer, G. Scandariato, A. Sozzetti, R. Cosentino, E. Covino, L. Di Fabrizio, A. Ghedina, V. Lorenzi, E. Molinari, M. Molinaro, I. Pagano, G. Piotto, and E. Poretti. The GAPS Programme at TNG. LI. Investigating the correlations between transiting system parameters and host chromospheric activity. *Astronomy & Astrophysics*, 682:A136, February 2024.
- [21] M. Damasso, G. Scandariato, V. Nascimbeni, D. Nardiello, **L. Mancini**, G. Marino, G. Bruno, A. Brandeker, G. Leto, F. Marzari, A. F. Lanza, S. Benatti, S. Desidera, V. J. S. Béjar, A. Biagini, L. Borsato, L. Cabona, R. Claudi, N. Lodieu, A. Maggio, M. Mallorquín, S. Messina, G. Micela, D. Ricci, A. Sozzetti, A. Suárez Mascareño, D. Turrini, and M. R. Zapatero Osorio. Photometric follow-up of the 20 Myr old multi-planet host star V1298 Tau with CHEOPS and ground-based telescopes. *Astronomy & Astrophysics*, 680:A8, December 2023.
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