

Federico Mogavero

Born: Salerno, Italy — September 26, 1989

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RESEARCH	Statistical mechanics of planet orbits, Exoplanet detection via microlensing	
POSITIONS	<ul style="list-style-type: none"> • École Normale Supérieure de Lyon, Physics Laboratory since October 2017 Postdoctoral Research Fellow (supervisor: F. Bouchet) Funding scheme: ERC Grant TRANSITION <i>Large Deviations and Non Equilibrium Phase Transitions for Turbulent Flows, Climate, and the Solar System.</i> • University of Oxford, Rudolf Peierls Centre for Theoretical Physics March – July 2013 Research Intern (supervisor: A. A. Schekochihin) 	
EDUCATION	<ul style="list-style-type: none"> • Institut d’Astrophysique de Paris 2014–17 Ph.D. in Astrophysics (advisor: J.-P. Beaulieu) Thesis: <i>New Methods in Exoplanet Detection via Gravitational Microlensing & Towards a Statistical Theory of Planet Orbits in the Solar System</i> September 2017 • École Normale Supérieure, Paris 2011–14 M. Sc. in Physics, <i>mention très bien</i> July 2014 • Sapienza University of Rome 2008–2011 B. Sc. in Physics, <i>110/110 cum laude</i> September 2011 	
FELLOWSHIPS & AWARDS	<ul style="list-style-type: none"> • Ph.D. Fellowship, École Normale Supérieure 2014–17 • Admission & Graduate Scholarship, École Normale Supérieure 2011–14 • Excellence Path, Sapienza University of Rome 2009–11 • Undergraduate Scholarship, Italian Physical Society 2008 • Admission & Undergraduate Scholarship, Scuola Superiore di Catania 2008 • Undergraduate Scholarship, Collegio “Luciano Fonda” – University of Trieste 2008 	
TALKS	<ul style="list-style-type: none"> • Contributed, Conference <i>Exoplanets and Planet Formation</i>, Shanghai December 2017 • Invited, ASD seminar, Paris Observatory March 2017 • Contributed, Conference <i>Formation and Evolution of Exoplanets</i>, Aspen March 2017 • Contributed, 6^{ème} Journée ESEP « Les exoplanètes », IAP, Paris November 2016 • Contributed, 20th Microlensing Workshop, IAP, Paris January 2016 	
TEACHING	<ul style="list-style-type: none"> • Electromagnetism, Teaching Assistant, <i>Pierre and Marie Curie University</i> Spring 2016 • Classical Mechanics, Teaching Assistant, <i>Pierre and Marie Curie University</i> Spring 2015–16 • Electromagnetism Laboratory, Teaching Assistant, <i>Sapienza University of Rome</i> Spring 2011 	
SCIENCE OUTREACH	<ul style="list-style-type: none"> • Palais de la Découverte – Astronomy Department, Paris 2016–17 50-minute talks: <i>The fate of the solar system: between predictability and chaos</i> 	
PUBLICATION SUMMARY	4 publications (3 as first author) Citation report via NASA/ADS: 57 citations (26 citations as first author)	
LANGUAGES	English, French (fluent), Italian (native speaker), Spanish (beginner)	

PUBLICATION LIST

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- [4] F. Mogavero. Addressing the statistical mechanics of planet orbits in the solar system. *Astronomy and Astrophysics*, 606:A79, October 2017.
- [3] C. B. Henderson, R. Poleski, M. Penny, ..., F. Mogavero, ..., M. Tamura, P. Tisserand, and D. Wang. Campaign 9 of the K2 Mission: Observational Parameters, Scientific Drivers, and Community Involvement for a Simultaneous Space- and Ground-based Microlensing Survey. *Publications of the ASP*, 128(12):124401, December 2016.
- [2] F. Mogavero and J. P. Beaulieu. Microlensing planet detection via geosynchronous and low Earth orbit satellites. *Astronomy and Astrophysics*, 585:A62, January 2016.
- [1] F. Mogavero and A. A. Schekochihin. Models of magnetic field evolution and effective viscosity in weakly collisional extragalactic plasmas. *Monthly Notices of the RAS*, 440:3226–3242, June 2014.