

### Professional/Educational History

- 2014 Habilitation à diriger des recherches (HDR), Université d'Aix Marseille
- 2009–today – Laboratoire d'Astrophysique de Marseille (LAM), France: Research scientist (CNRS)
- 2008– Toulouse University, France: Postdoctoral Researcher
- 2006 / 2007 – Niels Bohr Institute, Copenhagen University, Denmark: Postdoctoral Researcher
- 2005– Solar Energy Projects in Bolivia France and Mali: Manager/Organizer/Technician
- 2002 / 2004 – Toulouse University: PhD thesis supervised by Jean-Paul Kneib. Published by Editions Universitaires Européennes
- 2001 – Paris VII University: Master of fundamental Physics, with honors

### Committees, Panels

- 2017: main organizer of the 11th edition of the Marseille Cosmology Conference Cycle: "*Galaxy Clusters Across Cosmic Time*", Aix en Provence, 10-13 July 2017
- 2012 / 2013: member of the SOC of the international conference: "*The mass profiles of galaxy clusters from the core to the outskirts: the need for a multi-wavelength approach*", Madona di Campligio, Italy, 17-22 March 2013
- 2012 / 2013: member of the LOC/SOC of the "*CosmoLens*" international conference held in Marseille, 27-30 Mai 2013
- 2010–today: external reviewer for the Agence Nationale de la Recherche (ANR) and for the Programme National de Cosmologie et Galaxie (PNCG) grant proposals (France)
- 2006–today: reviewer for Astronomy & Astrophysics, Astronomy & Astrophysics Letters, Astrophysical Journal, Astrophysical Journal Letters, Astronomical Journal, Monthly Notices of the Royal Astronomical Society and Publications of the Astronomical Society of Japan
- 2003: member of the LOC at the "*Gravitational Lensing: A Unique Tool for Cosmology*" conference held in Aussois, France

### Research Training

I have co-supervised the thesis of 7 PhD students and supervised 3 PhD thesis, as well as the thesis of two master students and two postdoctoral positions.

## Selected Publications (last five years)

- *Dark matter in galaxy clusters: Parametric strong-lensing approach.*  
Limousin, M.; Beausnesne, B. & Jullo, E., 2022, A&A, 664.
- *Pilot-WINGS: An extended MUSE view of the structure of Abell 370.*  
Lagattuta, D.; Richard, J.; Bauer, F., et al., 2022, MNRAS, 514.
- *Scatter in the satellite galaxy SHMR: fitting functions, scaling relations, and physical processes from the IllustrisTNG simulation.*  
Niemic, A.; Giocoli, C.; Cohen, E., et al., 2022, MNRAS, 512.
- *Dissecting the Strong-lensing Galaxy Cluster MS 0440.5+0204. II. New Optical Spectroscopic Observations in a Wider Area and Cluster Dynamical State.*  
Carrasco, E.; Verdugo, T.; Motta, V., et al., 2021, ApJ, 918.
- *Accurate modeling of the strong and weak lensing profiles for the galaxy clusters Abell 1689 and 1835.*  
Nieuwenhuizen, T.; Limousin, M. & Morandi, A., 2021, EPJST, 230.
- *Dissecting the Strong-lensing Galaxy Cluster MS 0440.5+0204. I. The Mass Density Profile.*  
Verdugo, T.; Carrasco, E.; Foëx, G., et al., 2020, ApJ, 897.
- *hybrid-LENSTOOL: a self-consistent algorithm to model galaxy clusters with strong- and weak-lensing simultaneously.*  
Niemic, A.; Jauzac, M.; Jullo, E., et al., 2020, MNRAS, 493.
- *The BUFFALO HST Survey.*  
Steinhardt, C.; Jauzac, M.; Acebron, A., et al., 2020, ApJS, 247.
- *Weak lensing analysis of CODEX clusters using dark energy camera legacy survey: mass-richness relation.*  
Phriksee, A.; Jullo, E.; Limousin, M., et al., 2020, MNRAS, 491.
- *Dark matter stripping in galaxy clusters: a look at the stellar-to-halo mass relation in the Illustris simulation.*  
Niemic, A.; Jullo, E.; Limousin, M., et al., 2019, MNRAS, 487.
- *Growing a ‘cosmic beast’: observations and simulations of MACS J0717.5+3745.*  
Jauzac, M.; Eckert, D.; Schaller, M., et al., 2018, MNRAS, 481.
- *Planck’s dusty GEMS. V. Molecular wind and clump stability in a strongly lensed star-forming galaxy at  $z = 2.2$ .*  
Cañameras, R.; Nesvadba, N.; Limousin, M., et al., 2018, A&A, 620.
- *Strong Lensing Modeling in Galaxy Clusters as a Promising Method to Test Cosmography. I. Parametric Dark Energy Models.*  
Magaña, J.; Acebrón, A.; Motta, V., et al. 2018, ApJ, 865.
- *Modified Gravity and its test on galaxy clusters.*  
Nieuwenhuizen, T., Morandi, A. & Limousin, M., 2018, MNRAS, 476.
- *The Frontier Fields lens modelling comparison project.*  
Meneghetti, M.; Natarajan, P.; Coe, D., et al., 2017, MNRAS, 472.
- *Stellar-to-halo mass relation of cluster galaxies.*  
Niemic, A.; Jullo, E.; Limousin, M., et al., 2017, MNRAS, 471.
- *Hubble Frontier Fields: systematic errors in strong lensing models of galaxy clusters - implications for cosmography.*  
Acebron, A.; Jullo, E.; Limousin, M., et al., 2017, MNRAS, 470.