

# Matthew M. Pieri

Professeur des universités (Full Professor)

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## ACADEMIC POSITIONS

- 2019 – Professeur des universités, Aix-Marseille University, Laboratoire d'Astrophysique de Marseille (LAM), France
- 2014 – 2019 A\*MIDEX Excellence Chair, Laboratoire d'Astrophysique de Marseille (LAM), France
- 2012 – 2014 Marie Curie International Incoming Fellow, ICG Portsmouth, UK
- 2011 – 2012 Lecturer, ICG, University of Portsmouth, UK
- 2010 – 2011 Research Associate, CASA, University of Colorado, USA
- 2007 – 2010 Research Associate, Dept. of Astronomy, Ohio State University, USA
- 2004 – 2007 Postdoctoral Research Fellow, Université Laval, Canada

## NOTABLE FUNDING AWARDS

- 2023 – 2027 PI “WEAVEQSO-JPAS” ANR “AAPG Generic call, €460 000
- 2023 – 2027 Co-I “HZ-3D-MAP” ANR “AAPG Generic call, €548 000
- 2020 – 2023 PI “WEAVE-QSO: Le relevé spectroscopiques des quasars” CNRS PNCG, €24800
- 2016 – 2020 Co-I “eBOSS”, ANR “Challenge of Other Knowledge”, €599 880
- 2016 – 2019 PI “DeepDarkForest”, A\*MIDEX “Rising Stars”, €458 360
- 2015 – 2019 PI “DeepDarkForest”, ANR “Hosting High-Level Researchers”, €400 000
- 2014 – 2016 PI “DeepDarkForest”, A\*MIDEX “Rising Stars”, €400 000
- 2012 – 2014 PI “Mining for Metals in a Massive Spectroscopic Survey of the Intergalactic Medium”, Marie Curie International Incoming Fellowship, €278 807
- 2012 – 2015 PI “Probing the Warm-Hot Intergalactic Medium using Weak, Distributed Metal Absorption”, Science PI, HST Archival Research, US\$112 604

## RESEARCH LEADERSHIP ROLES

- 2011 – WEAVE-QSO survey lead and WEAVE survey builder
- 2020 – ELT- MOSAIC SWG2 working group chair
- 2023 – DESI topical group lead on absorbers
- 2014 – 2017 DESI working group chair and DESI Science Committee member

## MAJOR COLLABORATIONS

2009 – 2014 Baryon Oscillation Spectroscopic Survey (BOSS) within the Sloan Digital Sky Survey III: US-lead international survey with IGM-based science dominated by the French Participation Group

2014 – 2020 extended-BOSS (eBOSS) within the SDSS-IV: US-lead international cosmology survey survey (paid for my ANR funding for myself and 1 postdoc)

2019 – 2024 WEAVE survey, a wide-field spectroscopic survey for the William Herschel Telescope: UK, Spain, Netherlands, France (CNRS-INSU), Italy, Mexico, Hungary

2020 – 2025 Dark Energy Spectroscopic Instrument (DESI) survey: US-lead international survey

2020 – Extremely Large Telescope MOSAIC team

## INVITED PRESENTATIONS HIGHLIGHTS

- eWASS, Lyon, France, June 2019, “Baryon Acoustic Oscillations in Quasar Absorption”
- 53rd Moriond Meeting, La Thuile, Italy, March 2018, “eBOSS Lyman- $\alpha$  forest studies”
- Meeting on Fundamental Cosmology, Teruel, Spain, September 2017, “The WEAVE-QSO Survey”
- Meeting on Fundamental Cosmology, Barcelona, Spain, June 2016, “Next Generation Massive Spectroscopic Surveys of the Intergalactic Medium”
- Semaine de l’astrophysique, SF2A, Lyon, June 2016, "WEAVE-QSO : A Massive Intergalactic Medium Survey for the William Herschel Telescope"
- The CGM-Galaxy Interface, Leiden, June 2013: “Composite spectra of IGM and CGM absorbers in large and growing data sets”
- Galaxies in Absorption, Marseille, December 2013: “Probing the Circumgalactic Medium with Composite Spectra of the Lyman- $\alpha$  Forest Absorbers”

## PREVIOUS DOCTORAL STUDENTS

- Sean Morrison (2017-2020)
- Ramona Augustin (co-supervisor with Celine Peroux, 2017-2019)
- Duarte Santos (co-supervisor with Stephane Arnouts, 2023 - )

## MISCELLANEOUS

Served as referee for 4 thesis defences (1 in Australia and 1 in Spain, 2 in France)

Supervised 3 PhD students and 4 postdocs

Recruitment committee lead for 5 postdoc and 2 student. Committee member for 1 postdoc

71 peer-reviewed articles

H-index: 39

Google Scholar citations: 21548

Referee of several MNRAS and ApJ publications