

# CV STEPHANIE ESCOFFIER

**CNRS researcher in cosmology**  
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## RESEARCH POSITION

since 2017     **Directrice de Recherche CNRS** (Senior Researcher), CPPM  
2006-2017     **Chargée de Recherche CNRS** (Associate Researcher), CPPM  
2004-2006     **Postdoctoral Fellow** at CPPM (Marseille, France)  
2002-2003     **Postdoctoral Fellow** at CETP (now LPP), (Vélizy, France)

## EDUCATION

2012            **Habilitation à Diriger des Recherches (HDR)**, Aix Marseille University (AMU)  
1998-2001     **PhD in Physics**, Paris VII University  
1995-1998     **MSc in Physics**, Paris VII University  
1992-1995     **BSc in Physics**, Paris VII University

## WORK EXPERIENCE & SCIENTIFIC COLLABORATIONS

since 2010     **Cosmology: BOSS (2010-2014), eBOSS (2014-2019), Dark Energy Spectroscopic Instrument (2021-2026), Euclid space mission (ESA, 2023-2030), LISA (2034-)**  
*Cosmological constraints using galaxy clustering and cosmic voids (Covariance matrix, Alcock-Paczynski test, Redshift Space Distortions, X-correlation with CMB, void lensing), color selection, redshift reconstruction*

2003-2013     **Neutrino astronomy: ANTARES, KM3NeT**  
*Constraints on neutrino flux from relativistic magnetic monopoles, Gamma-ray bursts (GRB), marine bioluminescence studies, online trigger, time calibration of PMTs*

2002-2003     **Earth's magnetosphere: Cluster II space mission (ESA, 2000-2020)**  
*Development of the data processing and visualization code for the WHISPER instrument*

1998-2001     **PhD: Compton polarimeter at Jefferson Lab**  
*Precise measurement of the electron beam polarization for GeP and N-Δ experiments, CEA IRFU DPhN*

## AWARDS & GRANTS

- Awarded for **La Science taille XX Elles** (Women and Science association) - 2023 Marseille edition
- "La Recherche magazine" Award 2014 - **Special Prize of the Jury**
- PI of the CNES/Euclid CPPM (2018-2024), PI of PNCG/Euclid-France (2022-2024), Co-I of the ANR eBOSS (2016-2021), PI of ANR OMEGA (2011-2015), Co-PI of the Aix-Marseille University grant "AAMIS" (2009-2010)
- Member of the PIT Roman GRS (2023-2028), ANR DISPERS (2022-2026), ANR SDSS-III (2013-2015), ESONET ALBATROSS (2010-2011), ANR OYSTER (2009-2011).

## LEADERSHIP POSITIONS IN INTERNATIONAL COLLABORATIONS

2022-2023	Member of the DESI Meetings Committee (also in 2019-2020)
Since 2021	Coordinator Euclid-France
Since 2021	National (IN2P3) scientific responsible for Euclid
2020-2024	Member of the Euclid Consortium Publication Group (ECPG)
2020-2022	Member of the DESI Publication Board
2020-2021	Member of the DESI Speakers Board
Since 2018	Scientific coordinator for Euclid activities at CPPM
Since 2017	Member of Euclid-France-Communication board
2017-2022	Member of the SDSS Science Collaboration Council (CoCo)
Since 2016	Co-lead of the Euclid-France Galaxy Clustering group
Since 2016	Scientific coordinator for BOSS/eBOSS/DESI activities at CPPM
2015-2017	Co-lead of the “Additional Probes” WP of the Euclid Galaxy Clustering SWG
2008-2009	CNRS contact for the Work Package WPN “User support and impact assessment” in KM3Net Preparatory Phase (FP7)
2006-2008	Member of the Steering Committee of the Work Package WP9 “Associated sciences” in KM3Net Design Study (FP6)

## PANEL MEMBERSHIP / INSTITUTIONAL RESPONSABILITIES

2023	Member of the expert committee for the HCERES evaluation of the LPNHE laboratory
Since 2023	Member of the Jury of the SFP Thesis Prize and the Joliot-Curie Prize
2022-2023	Nominated member of Section 01 of the CNRS National Committee
2021-2025	Member of the LAPP Scientific Board (CS), Annecy
2021-2024	Elected member of the CPPM Scientific Board (CS) (also in 2010-2015)
since 2020	Member of the Research Board of the IPhU “Physics of the Universe”
since 2020	Co-lead of the Galaxies and Cosmology Working Group for the IPhU program
2019-2022	Nominated member of the IN2P3 Scientific Advisory Board (CSI IN2P3)
2018-2022	Elected member of the CPPM Laboratory Council (also in 2008-2011)
2016-2021	Member of the Scientific Advisory Board (CS) of the AMU Science Department
2009-2011	Expert member of the Project Support Cell (CSP) at CPPM
2006-2022	Safety Laser Officer at CPPM

## PUBLICATIONS

Co-author of 114 reviewed papers (h-index:60), including 11 cited more than 500

IdHAL: <https://cv.archives-ouvertes.fr/stephanie-escoffier>

## MENTORING & REVIEWING ACTIVITIES

- **Supervised or co-supervised** 10 PhD students: Sarah Ferraiuolo (2023-2026, co-tutelle), Lucas Saunière (2022-2025), Simone Sartori (2022-2025), Vincent Duret (2021-2024), Vincenzo Aronica (2021-2024), Renan Isquierdo Boschetti (2020-2023), Romain Paviot (2018-2021), Sylvain Gouyou-Beauchamps (2018-2021), Marie Aubert (2017-2020), Nicolas Picot-Clemente (2007-2010)
- Supervised 14 undergraduate students
- Member of 18 PhDs jury committee and 1 HDR committee (including 8 as external referee and 1 as president)
- Member of the selection committee for 2 MCF (2014, 2015), 1 Professor (2022), 1 Chaire d'Excellence (2023)

## ORGANIZATION OF SCIENTIFIC MEETINGS

- Organization of 14 conferences and workshops, 3 schools, 30 collaboration meetings

## MEMBERSHIP OF SCIENTIFIC SOCIETIES

- **French Physical Society (SFP):** President for the Division of Particles & Fields (2024-2025), Deputy president for the Division of Particles & Fields (2023), Member of the Board of the Women and Physics Commission (2022-), Member of the SFP Executive Board (2018-2020)

## DISSEMINATION AND OUTREACH

- Scientific expert for Full dome shows “Hazelnuts” (2023), “GranPa & Zoe: mission light” (2021) and the immersive Virtual Reality “Cosmic Tour VR” application (2018)
- 17 conferences for the general public or school classes
- Interviews for France Inter (2023), France Culture (2020, 2023), Journal du CNRS (2018, 2023), Epsilon magazine (2023), Radio Alter Nantes (2020), Radio Grenouille (2020), « Pour la Science » magazine (2016, 2020)
- Participation in the Euclid launch live (youtube, 2023) and the Euclid Press Tour (Cannes, 2023)