

# Matteo Cianfaglione


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**E-mail:** [matteo.cianfaglione@unibo.it](mailto:matteo.cianfaglione@unibo.it)

[matteo.cianfaglione@inaf.it](mailto:matteo.cianfaglione@inaf.it)

**Citizenship:** Italian

**Date of Birth:** 23/05/2000

 [matteocianf](https://orcid.org/0009-0009-7945-3662)

**ORCID:** 0009-0009-7945-3662

## Education

### University of Bologna

Bologna, Italy

PhD in Astrophysics

11/2024 – Present

**Title:** The cosmic ray life-cycle in galaxy clusters using novel radio telescopes

**Supervisor:** Dr. F. De Gasperin

**Co-supervisor:** Dr. V. Cuciti

### University of Bologna

Bologna, Italy

Master Degree in Astrophysics and Cosmology

09/2022 – 29/10/2024

**Title:** Searching for megahalos in the clusters of the LOFAR Two Meter Sky Survey

**Supervisor:** Professor A. Bonafede

**Co-supervisor:** Dr. V. Cuciti

**Final grade:** 110/110 cum Laude

### University of Bologna

Bologna, Italy

Bachelor Degree in Astronomy

09/2019 – 23/09/2022

**Title:** Equazioni di stato della materia in astrofisica

**Supervisor:** Professor M. Brusa

**Final grade:** 110/110 cum Laude

## Extra-curricular activities

ORP School on Multi-messenger Astrophysics

09/2024

*Durham University, UK*

MeerKAT polarisation workshop

07/2025

*INAF-IRA, Bologna, IT*

## Observing proposals

PI of a successful MeerKAT proposal for a total of ~ 9h

Co-author of an observing proposal with MeerKAT for a total of ~ 30h

## Collaborations

2025 - Member of the LOFAR Collaboration

## Conferences

SPARCS XII (SKA Pathfinder Radio Continuum Survey).

05/2024

COMRAD24 (COsmic Magnetism with RADio Astronomy).

11/2024

Magnetic Fields and Cosmic Rays across Diverse Scales: What's Next?

09/2025

LOFAR Family Meeting 2025

09/2025

## Invited talks

Searching for megahalos in the clusters of the LOFAR Two Meter Sky Survey 10/2024

*INAF-IRA, Bologna, IT*

## Digital skills

Python (and scientific libraries), FORTRAN90, Linux,

SaolImageDS9, WSClean, CASA

$\LaTeX$ , PowerPoint