

Antonios Nathanail

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Current position

2023 – Researcher C, Research Center for Astronomy and Applied Mathematics, Academy of Athens, Greece

Previous positions

2020 – 2022 Junior Group Leader (H.F.R.I.), Department of Physics, National and Kapodistrian University of Athens, Greece

2015 – 2020 Institute for Theoretical Physics, Goethe University Frankfurt, Germany: Senior Postdoctoral Researcher (2019–2020), Alexander von Humboldt Fellow (2016–2019), Goethe University Fellow (2015–2016)

Education

2013 – 2016 PhD in Relativistic Astrophysics, Department of Physics, National and Kapodistrian University of Athens

2011 – 2013 MSc in Astronomy, Astrophysics and Mechanics, Department of Physics, National and Kapodistrian University of Athens

2008 – 2010 MSc in Theoretical Mathematics, Department of Mathematics, National and Kapodistrian University of Athens

2002 – 2008 BSc in Mathematics, Department of Mathematics, National and Kapodistrian University of Athens

Research projects (Principal Investigator)

2025 – 2029 **GWcosmos**, Gravitational Wave Events with Neutron Stars: from Nuclear Physics to Cosmology (H.F.R.I., project 23698)

2026 – 2028 **MEXANE**, Open modeling pipelines to Make Extreme Astrophysical Events NICER (OSCARS, Horizon Europe)

2026 – 2029 **BRING SPACE**, Black hole Research, Innovation for Navigation and Games: Science, Physics, Astronomy and Cool Explanations (Horizon Europe, HORIZON-MSCA-2025-CITIZENS-01), Coordinator

Publications

- More than 80 peer-reviewed journal papers, including in *Nature Astronomy*, *Astrophysical Journal Letters*, *Astrophysical Journal*, *Monthly Notices of the Royal Astronomical Society*, *Astronomy & Astrophysics* and *Physical Review D*
- 16 peer-reviewed papers as first author · 1 invited book chapter
- Citations: 12,441 · h-index: 42 (Google Scholar, October 2026)
- Full list: [Google Scholar](#) · [NASA ADS](#)

Grants and awards

2026 Horizon Europe (MSCA Citizens) grant for BRING SPACE, as coordinator

2026 OSCARS (Horizon Europe) grant for MEXANE

2025 H.F.R.I. grant for GWcosmos

2022 IAU travel grant

2020 H.F.R.I. grant to lead an independent research group

2017	Best PhD Thesis Award, Hellenic Astronomical Society (2016–17)
2017	COST NewCompStar travel grant
2016 – 2019	Alexander von Humboldt Fellowship
2015 – 2016	Goethe University Postdoctoral Fellowship

Conferences and seminars

- 43 talks at international conferences, 8 of them invited
- 18 invited seminars at universities and research institutes

Reviewing and memberships

- Grant reviewer for NASA, the Polish National Science Centre and the French National Research Agency (ANR)
- Referee for *Science*, *Astrophysical Journal Letters*, *Monthly Notices of the Royal Astronomical Society* and *Astronomy & Astrophysics*
- Member of the Event Horizon Telescope Collaboration (since 2019)
- Member of the THESEUS space mission consortium (since 2018)
- Member of CRC/Transregio 211 “Strong-Interaction Matter Under Extreme Conditions” (since 2017)
- Science Assistant of the COST Action “NewCompStar” (2016–2019)
- Member of the site evaluation team for the Einstein Telescope gravitational-wave observatory (2019)
- LOC member, HELASET 2023 · SOC member, EWASS 2016 (S11, Gamma-ray bursts)
- Member of the European Astronomical Society (since 2018) and the Hellenic Astronomical Society (since 2013)

Research in the media (selection)

- [AAS Nova \(2021\): Gravitational waves shed light on how heavy a neutron star can be](#)
- [Portal to the Universe](#)
- [Space.com: Black hole M87 shoots out jets at light speed](#)
- [SciTechDaily: First direct visual evidence that the object in the center of the Milky Way is a black hole](#)
- [Goethe University Frankfurt: Entire light spectrum of black hole M87's jet recorded](#)