

JAIME REDONDO-YUSTE

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PRESENT POSITION	PhD Fellow in theoretical physics, Center of Gravity , Niels Bohr Institute, Københavns Universitet	
RESEARCH INTERESTS	Black Holes, Gravitational Waves, General Relativity Perturbation Theory, Mathematical Relativity, Neutron Stars	
EDUCATION	PhD	Niels Bohr Institute , Københavns Universitet <i>Unravelling the nonlinear nature of gravity</i> . Advisor: Vitor Cardoso 2022 – Present
	MSc	Perimeter Institute & University of Waterloo <i>Dynamics of black hole horizons</i> . Advisor: Luis Lehner 2021-2022
	BSc	Universidad Complutense de Madrid , Physics & Mathematics University of Manchester , Visiting Student (1 year) <i>Gravitational waves during stellar collapse</i> . Advisor: Luis J. Garay <i>Fiber bundles and gauge theories</i> . Advisor: Marco Castrillón 2016-2021 2019-2020
	Minor	Universidad Francisco de Vitoria , Liberal Arts 2016-2020
AWARDS & HONORS	Best scientific poster , Black Holes Inside and Out 2024 Outreach project competition , Perimeter Institute 2024 La Caixa Inphinit Doctoral Fellowship [declined] 2022 Perimeter Scholars International Award 2021 Erasmus Scholarship at the University of Manchester 2019 BSc Honors Scholarship , granted by regional government 2017-2021 Max Mazín Prize , CEIM Foundation 2017-2020 15 times Honors qualification during BSc 2016-2021	
PUBLICATIONS SUMMARY	18 publications (incl. 5 preprints), 11 as first or corresponding author. 242 citations (h-index: 8).	
INVITED SEMINARS	Quasinormal Modes Workshop at IBS, Daejeon (Korea) May. 2025 Seminar at ACR Division, Albert Einstein Institute (Germany) Apr. 2025 Astrophysics seminar at Los Alamos National Laboratory (USA) Mar. 2025 Seminar at Universidad Complutense de Madrid (Spain) Mar. 2024 3rd Carroll Workshop , Thessaloniki (Greece) Oct. 2023 Simulating Extreme Spacetimes collaboration (online) Mar. 2023	
SCHOOLS	Kavli-Villum School on Gravitational Waves , Corfu (Greece) 2023 Nordic Winter School on Gravitational Waves (Norway) 2023 Gravity Summer School , Prague (Czech Republic) 2022 Loop Quantum Gravity Summer School, Marseille (France) 2022	
ORGANIZING EXPERIENCE	Ringdown Inside and Out, Copenhagen (Denmark) Aug. 2024 Strong PhD Days , Copenhagen (Denmark) Apr. 2024 Kavli-Villum school on Gravitational Waves , Corfu (Greece) Sep. 2023	

INTERNATIONAL STAYS	Los Alamos National Laboratory (1 week). <i>Host: Hyun Lim</i>	2025
	Perimeter Institute (2 weeks). <i>Host: Luis Lehner</i>	2024
	John Hopkins University (1 week). <i>Host: Emanuele Berti</i>	2024
	Princeton University (3 months). <i>Host: Frans Pretorius</i>	2024
	Universidad Complutense de Madrid (1 week). <i>Host: Luis Garay</i>	2024
MENTORING SUPERVISION	Master Students	
	José Ortega Gómez (Erasmus+ Internship)	Summer 2025
	Lucía Vélez (Short-term project)	Spring 2025
	Sashvat Iyer (Short-term project)	Spring 2025
	Bachelor Students	
	Laura Micheletti and Mathilde Menu (Internship)	Summer 2025
TEACHING EXPERIENCE	Analytical Mechanics (lecturer: Poul Henrik Damgaard)	2023
	Numerical Methods for Physics (lecturer: Julius Bier Kierkegaard)	2023
	Computational Ocean Dynamics (lecturer: Markus Jochum)	2023
	<i>(as teaching assistant in the University of Copenhagen)</i>	
SERVICE	Referee of PRL, PRX, PRD, CQG, JHEP, and GRG	
	Member of LISA DEI Committee	2024–Present
	Social Committee representative at the Strong group	2025
	Organiser Road to Capra Seminar Series	2023–2024
OUTREACH	<i>Simulating the future through science fiction</i> –a physics-inspired theatre play supported by Perimeter Institute and Two Small Fish Ventures	2024–Present
	Nordic Science Slam 2nd place, Copenhagen (Denmark)	2024
SOFTWARE	<p>Expert in Mathematica. Proficient in Python, Julia & C++. Proficient user of xAct and the Black Hole Perturbation Toolkit.</p> <p>Co-author of bayRing –a Python based bayesian inference toolkit for ringdown modeling</p>	
LANGUAGES	Spanish (native), English (professional), Danish (intermediate), and German (basic).	

REFERENCES

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