José Luis Bernal

Instituto de Física de Cantabria Universidad de Cantabria - CSIC Avda. de los Castros, s/n, 39005, Santander (Cantabria), Spain		<pre>jlbernal@ifca.unican.es https://jl-bernal.github.io https://github.com/jl-bernal</pre>			
RESEARCH INTERESTS	Cosmology: large-scale structure, line-intensity mapping, cosmic infrared background, dark matter, Hubble constant tension, agnostic modeling and data analysis, neutrino cosmology, primordial non-Gaussianity, blinding methods in cosmology.				
Professional Career	- Institute of Physics of Cantabria (IFCA), Investigador Científico (tenured) Consejo Superior de Investigaciones Científicas			resent	
	- Institute of Physics of Cantabria (IFCA), Ramón y Cajal Fellow Jan 2023 – Jun 2025				
	- Max Planck Institute for Astrophysics, Postdoctoral res	earch fellow (Oct 2022 – Dec	2022	
	- Johns Hopkins University, Davis Postdoctoral Fellowshi Department of Physics and Astronomy	р	Oct 2019 – Sept	2022	
	- University of Barcelona, FPI fellow PhD Candidate Sept 2015 – Sept 2019 Quantum Physics and Astrophysics Department, Institute of Cosmos Sciences				
EDUCATION	 PhD Thesis: Cosmology on the edge of ΛCDM, (excellent Summa Cum Laude) Advisor: Licia Verde - M.Sc. in Theoretical Physics, Universidad Autónoma de Madrid Master Thesis: A consistency test of General Relativity using Expansion History and of Structures Advisors: Licia Verde, Antonio J. Cuesta, Alexander Knebe 			2019	
				2015 rowth	
				2014	
Honors & Awards	Ramón y Cajal fellowship, Spanish 'Agencia Estatal de Investigación' Second Prize of the XXV Prize 'Claustre de Doctors' of the University of Barcelona 2021 Doctoral Extraordinary Prize at the University of Barcelona, class 2018-2019 2021 Spanish Astronomy Society Thesis Prize to the best Doctoral Thesis in A&A 2020 Allan C. and Dorothy H. Davis Postdoctoral Fellowship, JHU 2019 FPI Fellowship for the formation of doctors, Spanish MINECO 2015 Postgraduate Fellowship to study the Master in Theoretical Physics, UAM+CSIC 2014 Extraordinary Prize for the Best Academic Record of Physics 2014 Class, UAM 2014				
Grants	- Proyectos de Generación de Conocimiento, PID2022-1400 mos with Line-Intensity Mapping Experiments, MCIN/AE 01/09/2026, 155,625.00 €, role: PI Ramón y Cajal Grant, RYC2021-033191-I, MCIN/AEI, €, role: PI Allan C. and Dorothy H. Davis Fellowship grant 2019, Luis Bernal, 01/10/2019 - 30/09/2022, \$224,228.00, role:	I, PI: José Luis 01/01/2023-31/ Johns Hopkins	Bernal, 01/09/1/2/2027, 244,3	2023- 50.00	

TEACHING	- Lecturer at University of Cantabria (Master: Particle Physics and Physics of the Cosmo Cosmology 2023 - present Lecturer at Galileo Galilei Institute (Theoretical Aspects of APCG 2023, PhD school) "Cosmic Tensions" 27-31 March 2015 - Teaching Assistant at the University of Barcelona Astronomy Spring 2015 - Control of Control o		
	Ordinary Differential Equations and Vector Calculus Spring 2017, Spring	ξ 2018	
PEER REVIEW	- Editor of Journal of Cosmology and Astroparticle Physics 2025 - cr - Astrophysics and cosmology journals, including: ApJ, JCAP, A&A, MNRAS, PDU, EPJC, Universe, IJMPD - Grant reviewer:	urrent 2023	
	Dutch Research Council (NWO) Open Competition Domain Science - M Universidad Computense de Madrid's program 'Ayudas para la realización de proyec		
	I+D para jóvenes doctores' External reviewer for NASA's FINESST program 2020, 2021	2022	
MENTORING & SUPERVISION	 Supervision of graduate students: Sefa Pamuk, PhD candidate at UC, May 2024-May 2028 Supervision of 4 undergraduate students: 		
Publication Metrics	45 refereed journal publications (17 first-authored), 3000+ citations, h -index=27 6 additional articles submitted (to PRD, A&A, and JCAP).		
OUTREACH	 Speaker in 'Expanding Science' - talks in primary and secondary schools 2024 - p The Universe: a window for discovery - Public talk, Casa de la Ciencia de Sevilla The Universe: a window to fundamental physics - Public talk, Science Center Benasque Round table about dark matter for the "Dark Matter Day" At what speed does the Universe expands? - Invited talk, Sabadell Astronomy Group Unravelling the dark Universe - Exhibition about cosmology, gravity and black holes Physics Experiments - UB (demonstrations for High school students) 2016, 2017 Walk on the Dark Side - Invited talk for Physics bachelor students Physis - UB (demonstrations for High school students) 	2024 e 2023 2018 p 2018 2017	
Professional Activities	- Founder and coordinator of "Physics and Astronomy Postdocs and Research Scientists" association at JHU 2020 - Organizer of the "Particle theory seminars" at JHU 2020 -	2025 2024 2023 " 2023 - 2022 - 2022 - 2022 - 2019 2018	

References

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