José Luis Bernal

Instituto de Física de Cantabria Universidad de Cantabria Avda. de los Castros, s/n, 39005, Santander (Cantabria), Spain		jlbernal@ifca.unican.es https://jl-bernal.github.io https://github.com/jl-bernal	
RESEARCH INTERESTS	Cosmology: large-scale structure, line-intensity mapping, 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), Ramón y Cajal University of Cantabria	ón y Cajal Fellow Jan 2023 – present	
	Max Planck Institute for Astrophysics, Postdoctoral resea	arch fellow Oct 2022 – present	
	Johns Hopkins University, Davis Postdoctoral Fellowship Department of Physics and Astronomy	Oct 2019 – Sept 2022	
	University of Barcelona, FPI fellow PhD Candidate Quantum Physics and Astrophysics Department, Institute	Sept 2015 – Sept 2019 e of Cosmos Sciences	
EDUCATION Ph.D. in Physics, University of Barcelona PhD Thesis: Cosmology on the edge of Λ CDM, (excellent Summa Cum Laux Advisor: Licia Verde M.Sc. in Theoretical Physics, Universidad Autónoma de Madrid Master Thesis: A consistency test of General Relativity using Expansion His of Structures Advisors: Licia Verde, Antonio J. Cuesta, Alexander Knebe		Summa Cum Laude) Sept 2019	
		sing Expansion History and Growth	
	Bachelor Degree in Physics with honors, Universidad Aut	ónoma de Madrid — June 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 Doctoral Extraordinary Prize at the University of Barcelona, class 2018-2019 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 Postgraduate Fellowship to study the Master in Theoretical Physics, UAM+CSIC Extraordinary Prize for the Best Academic Record of Physics 2014 Class, UAM 2014		
TEACHING	Lecturer at the University of Cantabria (Master: Particle I Cosmology Lecturer at Galileo Galilei Institute (Theoretical Aspects "Cosmic Tensions" Teaching Assistant at the University of Barcelona Astronomy Ordinary Differential Equations and Vector Calculus	Spring 2023	
PEER REVIEW	Astrophysics and cosmology journals, including: ApJ, JCAP, A&A, MNRAS, PDU, EPJC, Universe, External reviewer:	IJMPD	

	Universidad Computense de Madrid's program 'Ayudas para la realización de proyectos I+D para jóvenes doctores' 2022		
	External reviewer for NASA's FINESST	program	2020, 2021, 2022
Mentoring	Graduate students: Gabriela Sato-Polito (4 publications), Hector A. Cruz; current graduate students at JHU Katie Short (2 publication); former graduate student at ICC-UB		
Publication Metrics	34 refereed journal publications (15 first-authored), 1900+ citations, h -index=19 4 additional articles submitted (2 to PRL, 1 to MNRAS, and 1 to JCAP).		
OUTREACH	Round table about dark matter for the "Dar At what speed does the Universe expands? - Unravelling the dark Universe - Exhibition a Physics Experiments - UB (demonstrations of Walk on the Dark Side - Invited talk for Phy Physis - UB (demonstrations for High school)	Invited talk, Sabadell Astronombout cosmology, gravity and befor High school students) ysics bachelor students	
COLLABORATION MEMBERSHIP	Member of the MeerKLASS collaboration Member of the HETDEX collaboration Member of the SKA Cosmology group and C Member of the Australian SKA Pathfinder (2023 - present 2022 - present 2018 - present 2018 - present
PROFESSIONAL ACTIVITIES	LOC member in "Dark Matter 2023: From the Smallest to the Largest Scales" Main organizer, SOC+LOC member of "Present and Future of Line-Intensity Mapping" 2023 Postdoc representative in the "Joint JHU/STScI Colloquium Committee" 2021 - 2022 Founder and coordinator of "Physics and Astronomy Postdocs and Research Scientists" association at JHU 2020 - 2022 Organizer of the "Particle theory seminars" at JHU 2020 - 2022 Founder and organizer of the "PhD & Science" meetings at the ICCUB 2018 - 2019 LOC member in "Venice Cosmology Workshop 2018: The Island" 2020		
VISITING RESEARCH	Department of Physics and Astronomy, JHU Institute for Astronomy, University of Edinb Radcliffe Institute of Advanced Study, Harva	ourgh (funded by ICCUB)	October 2017
REFERENCES	Marc Kamionkowski Johns Hopkins University (+1) 410-516-0373 kamion@jhu.edu	Licia Verde Institute of Cosmos Science (+34) 934031328 liciaverde@icc.ub.edu	ces (ICC-UB)
	Ely D. Kovetz Ben-Gurion University (+972) 545-953349 kovetz@bgu.ac.il	Alvise Raccanelli University of Padova (+39) 0498277113 alvise.raccanelli.1@unipd.i	t