José Luis Bernal

Instituto de Física de Cantabria jlbernal© Universidad de Cantabria https://jl-berna Avda. de los Castros, s/n, 39005, Santander (Cantabria), Spain https://github.co			
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 Institute of Physics of Cantabria (IFCA), Ramón y Cajal Fellow University of Cantabria			
	Max Planck Institute for Astrophysics, Postdoctoral research fellow Oct 2022 – Dec 2022		
	Johns Hopkins University, Davis Postdoctoral Fellowship Department of Physics and Astronomy 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	Ph.D. in Physics, University of Barcelona Sept 2019 PhD Thesis: Cosmology on the edge of Λ CDM, (excellent Summa Cum Laude) Advisor: Licia Verde		
	M.Sc. in Theoretical Physics, Universidad Autónoma de Madrid Jun 2015 Master Thesis: A consistency test of General Relativity using Expansion History and Growth of Structures Advisors: Licia Verde, Antonio J. Cuesta, Alexander Knebe		
	Bachelor Degree in Physics with honors, Universidad Autónoma de Madrid Une 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 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 Physics and Physics of the Cosmos) Cosmology Spring 2023 Lecturer at Galileo Galilei Institute (Theoretical Aspects of APCG 2023, PhD school) "Cosmic Tensions" 27-31 March 2023 Teaching Assistant at the University of Barcelona Astronomy Spring 2017 Ordinary Differential Equations and Vector Calculus Spring 2017, Spring 2018		
Peer Review	Astrophysics and cosmology journals, including: ApJ, JCAP, A&A, MNRAS, PDU, EPJC, Universe, IJMPD		

External reviewer:

	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	Main organizer, SOC+LOC member of "Present and Future of Line-Intensity Mapping" 2023 Postdoc representative in the "Joint JHU/STScI Colloquium Committee" 2021 - 2023 Founder and coordinator of "Physics and Astronomy Postdocs and Research Scientists" association at JHU 2020 - 2023 Organizer of the "Particle theory seminars" at JHU 2020 - 2023 Founder and organizer of the "PhD & Science" meetings at the ICCUB 2018 - 2018		
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