## José Luis Bernal

Max Planck Institute for Astrophysics Karl-Schwarzschild-Str. 1 85748 Garching, Germany		jlbernal@MPA-Garching.MPG.DE 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 Cajuniversity of Cantabria	al Fellow Jan 2023 – present	
	Max Planck Institute for Astrophysics, Postdoctoral res	earch 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 Sept 2015 – Sept 2019 Quantum Physics and Astrophysics Department, Institute of Cosmos Sciences		
EDUCATION	EDUCATION Ph.D. in Physics, University of Barcelona Sept : PhD Thesis: Cosmology on the edge of $\Lambda$ 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 Universidad June 2014		
Honors &	Ramón y Cajal fellowship, Spanish 'Agencia Estatal de	Investigación' 2022	
Awards	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		
	Excellent Fellowship, Madrid regional Government 2013, 2012, 2011, 2010		
TEACHING	Teaching Assistant at the University of Barcelona		
	Astronomy Ordinary Differential Equations and Vector Calculu	Spring 2017 Spring 2017, Spring 2018	

Peer Review	Astrophysics and cosmology journals, inclu- ApJ, JCAP, A&A, MNRAS, PDU, ER	o .	
	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 FINESS	ST program	2020, 2021, 2022
MENTORING	Graduate students: Gabriela Sato-Polito (4 publications), Hector A. Cruz; current graduate students at JHU Katie Short (2 publication); current graduate student at ICC-UB		
Publication Metrics			
	4 additional articles submitted (2 to PRL, 1 to MNRAS, and 1 to JCAP).		
Outreach Round table about dark matter for the "Dark Matter Day"		ark Matter Day"	2018
	At what speed does the Universe expands? - Invited talk, Sabadell Astronomy Group $$ 2018		
	Unravelling the dark Universe - Exhibition about cosmology, gravity and black holes 2017		
	Physics Experiments - UB (demonstrations	s for High school students)	2016, 2017, 2018
	Walk on the Dark Side - Invited talk for P	hysics bachelor students	2016
	Physis - UB (demonstrations for High school students) 2016		
Professional Activities	Member of the HETDEX collaboration		2022 - present
	Member of the SKA Cosmology group and Graviational Waves group		2018 - present
	Member of the Australian SKA Pathfinder (ASKAP) Cosmology group 2018 - present		
	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" 2018		
VISITING RESEARCH	Department of Physics and Astronomy, JH	IU (funded by María de Maeztu)	April 2018
	Institute for Astronomy, University of Edinburgh (funded by ICCUB) October 2017		
	Radcliffe Institute of Advanced Study, Harvard (funded by FPI fellowship) April - June 2016		
References	NCES Marc Kamionkowski Licia Verde  Johns Hopkins University Institute of Cosmos Sciences  (+1) 410-516-0373 (+34) 934031328  kamion@jhu.edu liciaverde@icc.ub.edu		es (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.it	;