Alexander Andres Lazar

Contact Information	Department of Physics and Astronomy The University of California, Irvine Irvine, CA 92697	☎ (949) 824-6911 ⊠ aalazar@uci.edu ⊯ https://physics.uci	.edu/~aalazar/
Education	The University of California, Irvine 2018 - Present Ph.D. in Physics 2018 - Present Thesis: The Nature of Dark Matter Through Gravitational Anomalies Advisor: James S. Bullock		
	The University of Texas at Austin B.Sc., Physics & Astronomy		2015 - 2018
Preprints & Publications	A Dark Matter Profile to Model Diverse Feedback-Induced Core Sizes of ΛCDM halos A. Lazar, J. Bullock, M. Boylan-Kolchin, and FIRE Collaboration (2020); preparing for submission		
	Out of sight, Out of Mind? The Impact of Correlated Structure Along Line-of-sight Measurements in CDMA. Lazar, J. Bullock, and M. Boylan-Kolchin (2020); preparing for submission		
	Accurate Mass Estimates from the Proper Motions of Dispersion-Supported Galaxies A. Lazar and J. Bullock (2020); Submitted to MNRAS (arXiv:1907.08841)		
	 Dark and Luminous Satellites of LMC-mass Galaxies in the FIRE Simulations E. Jahn, L. Sales, A. Wetzel, M. Boylan-Kolchin, T.K. Chan, K. El-Badry, A. Lazar, J. Bullock (2019); MNRAS, 489, 5348 (arXiv:1907.02979) 		
Recent Talks	Inner Dark Matter Densities Constructed fro GalFRESCA 2019; Irvine, CA	m 3D Proper Motions	2019
Teaching Experience	The University of California, Irvine		
	Graduate Teaching Assistant Physics 20B: Cosmology: Humanity's Play Physics 3B: Basic Physics II Physics 52A: Fundamentals of Experimen Physics 116: Relativity and Blackholes		Spring 2019 Winter 2019 Fall 2018 Fall 2018
	The University of Texas at Austin		
	$Undergraduate \ Teaching \ Assistant$		
	AST 301: Introduction to Astronomy PHY 353L: Modern Physics Laboratory PS 303: Mechanics and Heat	Summ	'all 2017, Spring 2018her 2017, Spring 2018'all 2017, Spring 2018