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Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



MARIANA VARGAS MAGAÑA

Datos Generales

Nombre: MARIANA VARGAS MAGAÑA

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 10 años

Nombramientos

Vigente: INVESTIGADOR TITULAR A TC Definitivo
Instituto de Física
Desde 16-04-2024

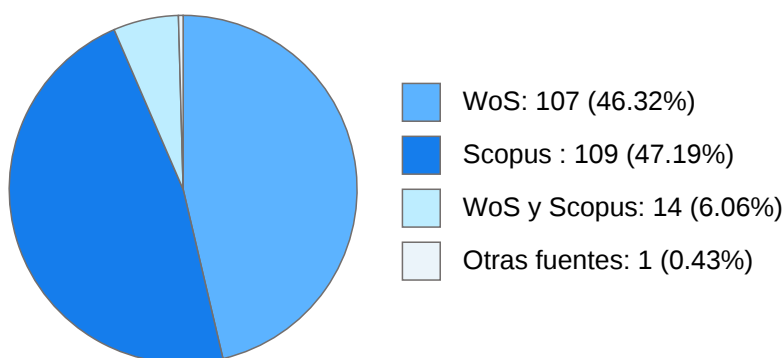
Estímulos, programas, premios y reconocimientos

SNI II 2023 - VIGENTE
SNI I 2016 - 2022
PRIDE C 2020 - 2024
RDUNJA Investigación en ciencias exactas 2023
EQUIVALENCIA PRIDE B 2015 - 2020

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	A comparison between ShapeFit compression and Full-Modelling method with PyBird for DESI 2024 and beyond	ALEJANDRO AVILES CERVANTES AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL MARIANA VARGAS MAGAÑA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
2	Blinding scheme for the scale-dependence bias signature of local primordial non-Gaussianity for DESI 2024	AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL MARIANA VARGAS MAGAÑA E. Chaussidon et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
3	Fiducial-cosmology-dependent systematics for the DESI 2024 BAO analysis	ALEJANDRO PEREZ FERNANDEZ MARIANA VARGAS MAGAÑA AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
4	Full Modeling and parameter compression methods in configuration space for DESI 2024 and beyond	MARIANA VARGAS MAGAÑA SEBASTIEN MICKAEL MARC FROMENTEAU ALEJANDRO AVILES CERVANTES et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025

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5	HOD-dependent systematics for luminous red galaxies in the DESI 2024 BAO analysis	AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL ANDREA MUÑOZ GUTIERREZ ALEJANDRO PEREZ FERNANDEZ et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
6	Suppressing the sample variance of DESI-like galaxy clustering with fast simulations	AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL MARIANA VARGAS MAGAÑA Z. Ding et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
7	Comparing Compressed and Full-Modeling analyses with FOLPS: implications for DESI 2024 and beyond	ALEJANDRO AVILES CERVANTES SEBASTIEN MICKAEL MARC FROMENTEAU MARIANA VARGAS MAGAÑA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
8	Mitigation of DESI fiber assignment incompleteness effect on two-point clustering with small angular scale truncated estimators	AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL MARIANA VARGAS MAGAÑA Pinon M. et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
9	Validating the galaxy and quasar catalog-level blinding scheme for the DESI 2024 analysis	AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL ANDREA MUÑOZ GUTIERREZ MARIANA VARGAS MAGAÑA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
10	HOD-dependent systematics in Emission Line Galaxies for the DESI 2024 BAO analysis	AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL ANDREA MUÑOZ GUTIERREZ MARIANA VARGAS MAGAÑA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
11	A comparison of effective field theory models of redshift space galaxy power spectra for DESI 2024 and future surveys	ALEJANDRO AVILES CERVANTES SEBASTIEN MICKAEL MARC FROMENTEAU MARIANA VARGAS MAGAÑA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
12	An analysis of parameter compression and Full-Modeling techniques with Velocileptors for DESI 2024 and beyond	ALEJANDRO AVILES CERVANTES AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL MARIANA VARGAS MAGAÑA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025

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13	Characterization of contaminants in the Lyman-alpha forest auto-correlation with DESI	ANDREA MUÑOZ GUTIERREZ AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL MARIANA VARGAS MAGAÑA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
14	Validation of the DESI 2024 Lya forest BAO analysis using synthetic datasets	ALMA XOCHITL GONZALEZ MORALES AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL ANDREA MUÑOZ GUTIERREZ et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
15	DESI 2024 IV: Baryon Acoustic Oscillations from the Lyman alpha forest	AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL ANDREA MUÑOZ GUTIERREZ MARIANA VARGAS MAGAÑA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
16	Constraining the phase shift of relativistic species in DESI BAOs	MARIANA VARGAS MAGAÑA SEBASTIEN MICKAEL MARC FROMENTEAU ALEJANDRO PEREZ FERNANDEZ et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2025
17	Analytical and EZmock covariance validation for the DESI 2024 results	AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL MIGUEL ENRIQUEZ VARGAS MARIANA VARGAS MAGAÑA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
18	DESI 2024 III: baryon acoustic oscillations from galaxies and quasars	ALEJANDRO AVILES CERVANTES JORGE LUIS CERVANTES COTA AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
19	DESI 2024 VI: cosmological constraints from the measurements of baryon acoustic oscillations	ALEJANDRO AVILES CERVANTES JORGE LUIS CERVANTES COTA AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2025
20	The DESI One-Percent Survey: Modelling the clustering and halo occupation of all four DESI tracers with UCHUU	AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL MARIANA VARGAS MAGAÑA F. Prada et al.	ASTRONOMY & ASTROPHYSICS	2025
21	DESI 2024: reconstructing dark energy using crossing statistics with DESI DR1 BAO data	JORGE LUIS CERVANTES COTA AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL MARIANA VARGAS MAGAÑA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024

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22	Detection of the large-scale tidal field with galaxy multiplet alignment in the DESI Y1 spectroscopic survey	AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA Lamman C. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2024
23	SYSTEMATIC EFFECTS IN GALAXY? GALAXY LENSING WITH DESI	AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA Lange J.U. et al.	Open Journal Of Astrophysics	2024
24	DESI Survey Validation Data in the COSMOS/Hyper Suprime-Cam Field: Cool Gas Trace Main-sequence Star-forming Galaxies at the Cosmic Noon	AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA Zou S. et al.	ASTROPHYSICAL JOURNAL	2024
25	DESI mock challenge: Constructing DESI galaxy catalogues based on FastPM simulations	AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA Variu A. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2024
26	Preface: Workshop on matter, astrophysics, gravitation, ions and cosmology?MAGIC23	MARIANA VARGAS MAGAÑA PETER OTTO HESS BECHSTEDT Zen Vasconcellos C.A. et al.	ASTRONOMISCH E NACHRICHTEN	2024
27	Full shape cosmology analysis from BOSS in configuration space using neural network acceleration	SEBASTIEN MICKAEL MARC FROMENTEAU MARIANA VARGAS MAGAÑA ALEJANDRO AVILES CERVANTES et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2024
28	Baryon acoustic oscillation theory and modelling systematics for the DESI 2024 results	AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA S. -F Chen et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2024
29	MITIGATING THE NOISE OF DESI MOCKS USING ANALYTIC CONTROL VARIATES	AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA HADZHIYSKA B. et al.	Open Journal Of Astrophysics	2023
30	DESI and DECaLS (D&D): galaxy-galaxy lensing measurements with 1 per cent survey and its forecast	AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA Ji Yao et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2023
31	Review volume of the 10th international workshop on astronomy and relativistic astrophysics, from quarks to cosmos?IWARA 2022	PETER OTTO HESS BECHSTEDT GABRIELLA PICCINELLI BOCCHI MARIANA VARGAS MAGAÑA et al.	ASTRONOMISCH E NACHRICHTEN	2023

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32	Target selection for the DESI Peculiar Velocity Survey	AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA Christoph Saulder et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2023
33	Target Selection and Sample Characterization for the DESI LOW-Z Secondary Target Program	AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA Darragh-Ford E. et al.	ASTROPHYSICAL JOURNAL	2023
34	First detection of the BAO signal from early DESI data	AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA Moon J. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2023
35	DESI $z > 5$ Quasar Survey. I. A First Sample of 400 New Quasars at $z \sim 4.7-6.6$	AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA Yang J. et al.	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	2023
36	Preface: 10th International Workshop on Astronomy and Relativistic Astrophysics, from Quarks to Cosmos? IWARA 2022	PETER OTTO HESS BECHSTEDT GABRIELLA PICCINELLI BOCCHI MARIANA VARGAS MAGAÑA et al.	ASTRONOMISCH E NACHRICHTEN	2023
37	The High-Altitude Water Cherenkov (HAWC) observatory in Mexico: The primary detector	JOSE RUBEN ALFARO MOLINA ANA DELIA BECERRIL REYES ERNESTO JOSE MARIA DE LA SALETE BELMONT MORENO et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	2023
38	The VST ATLAS quasar survey I: Catalogue of photometrically selected quasar candidates	AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA Alice M. Eltvedt et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2023
39	DESI mock challenge: Halo and galaxy catalogues with the bias assignment method	AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA Balaguera-Antolínez A. et al.	ASTRONOMY & ASTROPHYSICS	2023

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40	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: growth rate of structure measurement from cosmic voids	AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL MARIANA VARGAS MAGAÑA Marie Aubert et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2022
41	The completed SDSS-IV extended baryon oscillation spectroscopic survey: geometry and growth from the anisotropic void-galaxy correlation function in the luminous red galaxy sample (vol 499, pg 4140, 2022)	SEBASTIEN MICKAEL MARC FROMENTEAU MARIANA VARGAS MAGAÑA Seshadri Nadathur et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2022
42	Overview of the Instrumentation for the Dark Energy Spectroscopic Instrument	ALEJANDRO AVILES CERVANTES AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL SEBASTIEN MICKAEL MARC FROMENTEAU et al.	ASTRONOMICAL JOURNAL	2022
43	Fast computation of non-linear power spectrum in cosmologies with massive neutrinos	ALEJANDRO AVILES CERVANTES SEBASTIEN MICKAEL MARC FROMENTEAU MARIANA VARGAS MAGAÑA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2022
44	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: measurement of the BAO and growth rate of structure of the luminous red galaxy sample from the anisotropic correlation function between redshifts 0.6 and 1	MARIANA VARGAS MAGAÑA SEBASTIEN MICKAEL MARC FROMENTEAU AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2021
45	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: BAO and RSD measurements from anisotropic clustering analysis of the quasar sample in configuration space between redshift 0.8 and 2.2	AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL MARIANA VARGAS MAGAÑA Jiamin Hou et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2021
46	Galaxy: Dark matter connection in cosmology	SEBASTIEN MICKAEL MARC FROMENTEAU MARIANA VARGAS MAGAÑA BRENDA IZAMAR TAPIA BENAVIDES et al.	ASTRONOMISCH E NACHRICHTEN	2021
47	Preface: 9th international workshop on astronomy and relativistic astrophysics: From quarks to cosmos	PETER OTTO HESS BECHSTEDT GABRIELLA PICCINELLI BOCCHI MARIANA VARGAS MAGAÑA et al.	ASTRONOMISCH E NACHRICHTEN	2021

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48	Atacama Cosmology Telescope: Combined kinematic and thermal Sunyaev-Zel'dovich measurements from BOSS CMASS and LOWZ halos	MARIANA VARGAS MAGAÑA Schaan E. Ferraro S. et al.	PHYSICAL REVIEW D	2021
49	Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Cosmological implications from two decades of spectroscopic surveys at the Apache Point Observatory	SANTIAGO AVILA RIOS SEBASTIEN MICKAEL MARC FROMENTEAU AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL et al.	PHYSICAL REVIEW D	2021
50	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: N-body mock challenge for galaxy clustering measurements	MARIANA VARGAS MAGAÑA SEBASTIEN MICKAEL MARC FROMENTEAU Rossi G. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2021
51	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: N-body mock challenge for the eBOSS emission line galaxy sample	MARIANA VARGAS MAGAÑA Alam S. De Mattia A. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2021
52	Special volume, preface-9th International Workshop on Astronomy and Relativistic Astrophysics: From Quarks to Cosmos	PETER OTTO HESS BECHSTEDT GABRIELLA PICCINELLI BOCCHI MARIANA VARGAS MAGAÑA et al.	ASTRONOMISCH E NACHRICHTEN	2021
53	Towards testing the theory of gravity with DESI: Summary statistics, model predictions and future simulation requirements	SEBASTIEN MICKAEL MARC FROMENTEAU AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL JOSE OCTAVIO VALENZUELA TIJERINO et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2021
54	Improving baryon acoustic oscillation measurement with the combination of cosmic voids and galaxies	MARIANA VARGAS MAGAÑA Cheng Zhao Chia-Hsun Chuang et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2020
55	The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 LRG sample: structure growth rate measurement from the anisotropic LRG correlation function in the redshift range $0.6 < z < 1.0$	MARIANA VARGAS MAGAÑA SEBASTIEN MICKAEL MARC FROMENTEAU IRENE ANTONIA CRUZ GONZALEZ ESPINOSA et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2020

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56	The Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Measurement of the BAO and growth rate of structure of the luminous red galaxy sample from the anisotropic power spectrum between redshifts 0.6 and 1.0	MARIANA VARGAS MAGAÑA SEBASTIEN MICKAEL MARC FROMENTEAU AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2020
57	The completed SDSS-IV extended baryon oscillation spectroscopic survey: Large-scale structure catalogues for cosmological analysis	IRENE ANTONIA CRUZ GONZALEZ ESPINOSA AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL SEBASTIEN MICKAEL MARC FROMENTEAU et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2020
58	The completed SDSS-IV extended baryon oscillation spectroscopic survey: pairwise-inverse probability and angular correction for fibre collisions in clustering measurements	SEBASTIEN MICKAEL MARC FROMENTEAU MARIANA VARGAS MAGAÑA Faizan G. Mohammad et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2020
59	The completed SDSS-IV extended baryon oscillation spectroscopic survey: geometry and growth from the anisotropic void-galaxy correlation function in the luminous red galaxy sample	SEBASTIEN MICKAEL MARC FROMENTEAU MARIANA VARGAS MAGAÑA Seshadri Nadathur et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2020
60	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library	VLADIMIR ANTON AVILA REESE BERNARDO CERVANTES SODI NIV OLIVER MICHAEL TOMER DRORY et al.	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	2019
61	First constraint on the neutrino-induced phase shift in the spectrum of baryon acoustic oscillations	MARIANA VARGAS MAGAÑA Baumann D. Beutler F. et al.	NATURE PHYSICS	2019
62	Overview of the DESI Legacy Imaging Surveys	MARIA ASUNCION ALVAREZ DEL RIO MARIANA VARGAS MAGAÑA Arjun Dey et al.	ASTRONOMICAL JOURNAL	2019
63	The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: First measurement of baryon acoustic oscillations between redshift 0.8 and 2.2	AXEL RICARDO DE LA MACORRA PETTERSSON MORIEL MARIANA VARGAS MAGAÑA Metin Ata et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2018
64	Constraining the baryon-dark matter relative velocity with the large-scale three-point correlation function of the SDSS BOSS DR12 CMASS galaxies	MARIANA VARGAS MAGAÑA Zachary Slepian Daniel J. Eisenstein et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2018

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65	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment	VLADIMIR ANTON AVILA REESE MARIANA CANO DIAZ BERNARDO CERVANTES SODI et al.	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	2018
66	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: Theoretical systematics and Baryon Acoustic Oscillations in the galaxy correlation function	MARIANA VARGAS MAGAÑA Ho S. Cuesta A.J. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2018
67	The SDSS-IV Extended Baryon Oscillation Spectroscopic Survey: Baryon Acoustic Oscillations at Redshift of 0.72 with the DR14 Luminous Red Galaxy Sample	MARIANA VARGAS MAGAÑA BRIGIDA DEL CARMEN CAMACHO ENRIQUEZ Bautista J.E. et al.	ASTROPHYSICAL JOURNAL	2018
68	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: combining correlated Gaussian posterior distributions	MARIANA VARGAS MAGAÑA Sanchez, Ariel G. Grieb, Jan Niklas et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017
69	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: Cosmological implications of the configuration-space clustering wedges	MARIANA VARGAS MAGAÑA Sanchez, Ariel G. Scoccimarro, Roman et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017
70	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: Baryon acoustic oscillations in the Fourier space	MARIANA VARGAS MAGAÑA Beutler, Florian Seo, Hee-Jong et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017
71	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: anisotropic galaxy clustering in Fourier space	MARIANA VARGAS MAGAÑA Beutler, Florian Seo, Hee-Jong et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017
72	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological implications of the Fourier space wedges of the final sample	MARIANA VARGAS MAGAÑA Grieb, Jan Niklas Sanchez, Ariel G. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017

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73	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: effect of smoothing of density field on reconstruction and anisotropic BAO analysis	MARIANA VARGAS MAGAÑA Ho, Shirley Fromenteau, Sebastien et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017
74	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: cosmic flows and cosmic web from luminous red galaxies	MARIANA VARGAS MAGAÑA Ata, Metin Kitaura, Francisco-Shu et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017
75	The large-scale three-point correlation function of the SDSS BOSS DR12 CMASS galaxies	MARIANA VARGAS MAGAÑA Slepian, Zachary Eisenstein, Daniel J. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017
76	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: observational systematics and baryon acoustic oscillations in the correlation function	MARIANA VARGAS MAGAÑA Ross, Ashley J. Beutler, Florian et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017
77	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: towards a computationally efficient analysis without informative priors	MARIANA VARGAS MAGAÑA Pellejero-Ibanez, Marcos Chuang, Chia-Hsun et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017
78	Exploring cosmic homogeneity with the BOSS DR12 galaxy sample	MARIANA VARGAS MAGAÑA Ntelis, Pierros Hamilton, Jean-Christophe et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2017
79	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe	VLADIMIR ANTON AVILA REESE YILEN GOMEZ MAQUEO CHEW IRENE ANTONIA CRUZ GONZALEZ ESPINOSA et al.	ASTRONOMICAL JOURNAL	2017
80	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: cosmological analysis of the DR12 galaxy sample	MARIANA VARGAS MAGAÑA Alam, Shadab Ata, Metin et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017

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81	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: tomographic BAO analysis of DR12 combined sample in configuration space	MARIANA VARGAS MAGAÑA Wang, Yuting Zhao, Gong-Bo et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017
82	Detection of baryon acoustic oscillation features in the large-scale three-point correlation function of SDSS BOSS DR12 CMASS galaxies	MARIANA VARGAS MAGAÑA Slepian, Zachary Eisenstein, Daniel J. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017
83	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: Single-probe measurements from DR12 galaxy clustering - towards an accurate model	MARIANA VARGAS MAGAÑA Chuang, Chia-Hsun Pellejero-Ibanez, Marcos et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017
84	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory	VLADIMIR ANTON AVILA REESE YILEN GOMEZ MAQUEO CHEW HECTOR MANUEL HERNANDEZ TOLEDO et al.	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	2017
85	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: Baryon acoustic oscillations in the correlation function of LOWZ and CMASS galaxies in Data Release 12	MARIANA VARGAS MAGAÑA Cuesta, Antonio J. Beutler, Florian et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2016
86	Signatures of the Primordial Universe from Its Emptiness: Measurement of Baryon Acoustic Oscillations from Minima of the Density Field	MARIANA VARGAS MAGAÑA Kitaura, Francisco-Shu Chuang, Chia-Hsun et al.	PHYSICAL REVIEW LETTERS	2016
87	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA	IRENE ANTONIA CRUZ GONZALEZ ESPINOSA AXEL RICARDO DE LA MACORRA PETERSSON MORIEL MARIANA VARGAS MAGAÑA et al.	ASTRONOMICAL JOURNAL	2016
88	Evidence for the kinematic Sunyaev-Zel'dovich effect with the Atacama Cosmology Telescope and velocity reconstruction from the Baryon Oscillation Spectroscopic Survey	MARIANA VARGAS MAGAÑA Schaan E. Ferraro S. et al.	PHYSICAL REVIEW D	2016
89	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: BAO measurement from the LOS-dependent power spectrum of DR12 BOSS galaxies	MARIANA VARGAS MAGAÑA Gil-Marín, Hector Percival, Will J. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2016

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90	Large covariance matrices: smooth models from the two-point correlation function	MARIANA VARGAS MAGAÑA O'Connell, Ross Eisenstein, Daniel et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2016
91	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: mock galaxy catalogues for the BOSS Final Data Release	MARIANA VARGAS MAGAÑA Kitaura, Francisco-Shu Rodriguez-Torres, Sergio et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2016
92	SDSS-III Baryon Oscillation Spectroscopic Survey Data Release 12: galaxy target selection and large-scale structure catalogues	MARIANA VARGAS MAGAÑA Reid, Beth Ho, Shirley et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2016
93	THE ELEVENTH and TWELFTH DATA RELEASES of the SLOAN DIGITAL SKY SURVEY: FINAL DATA from SDSS-III	MARIANA VARGAS MAGAÑA Alam S. Albareti F.D. et al.	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	2015
94	Testing general relativity with growth rate measurement from Sloan digital sky survey - III. Baryon oscillations spectroscopic survey galaxies	MARIANA VARGAS MAGAÑA Alam S. Ho S. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2015
95	Understanding cosmological measurements with a large number of mock galaxy catalogues	MARIANA VARGAS MAGAÑA Manera M. Percival W.J. et al.	Iau Symposium Proceedings Series	2015
96	The tenth data release of the Sloan digital sky survey: First spectroscopic data from the SDSS-iii apache point observatory galactic evolution experiment	MARIANA VARGAS MAGAÑA Gott III J.R. Mack III C.E. et al.	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	2014
97	The clustering of galaxies in the SDSS-III baryon oscillation spectroscopic survey: Potential systematics in fitting of baryon acoustic feature	MARIANA VARGAS MAGAÑA Ho S. Xu X. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2014
98	Efficient reconstruction of linear baryon acoustic oscillations in galaxy surveys	MARIANA VARGAS MAGAÑA Burden A. Percival W.J. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2014

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99	The clustering of galaxies in the SDSS-III baryon oscillation spectroscopic survey: Including covariance matrix errors	MARIANA VARGAS MAGAÑA Percival W.J. Ross A.J. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2014
100	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: Galaxy clustering measurements in the low-redshift sample of Data Release 11	MARIANA VARGAS MAGAÑA Tojeiro R. Ross A.J. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2014
101	The clustering of galaxies in the SDSS-III baryon oscillation spectroscopic survey: Baryon acoustic oscillations in the data releases 10 and 11 galaxy samples	MARIANA VARGAS MAGAÑA Anderson L. Aubourg E. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2014
102	An optimized correlation function estimator for galaxy surveys	MARIANA VARGAS MAGAÑA Bautista J.E. Hamilton J.-C. et al.	ASTRONOMY & ASTROPHYSICS	2013
103	The clustering of galaxies in the sdss-iii dr9 baryon oscillation spectroscopic survey: Constraints on primordial non-gaussianity	MARIANA VARGAS MAGAÑA Ross A.J. Percival W.J. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2013
104	The baryon oscillation spectroscopic survey of SDSS-III	MARIANA VARGAS MAGAÑA Dawson K.S. Schlegel D.J. et al.	ASTRONOMICAL JOURNAL	2013
105	The ninth data release of the sloan digital sky survey: First spectroscopic data from the sdss-iii baryon oscillation spectroscopic survey	MARIANA VARGAS MAGAÑA Ahn C.P. Alexandroff R. et al.	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	2012
106	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: Analysis of potential systematics	MARIANA VARGAS MAGAÑA Ross A.J. Percival W.J. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2012
107	The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: Cosmological implications of the large-scale two-point correlation function	MARIANA VARGAS MAGAÑA Sánchez A.G. Scóccola C.G. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2012
108	A principal component analysis of quasar UV spectra at $z \sim 3$	MARIANA VARGAS MAGAÑA Pgris I. Petitjean P. et al.	ASTRONOMY & ASTROPHYSICS	2011
109	Simulations of BAO reconstruction with a quasar Ly- α survey	MARIANA VARGAS MAGAÑA Le Goff J.M. Magneville C. et al.	ASTRONOMY & ASTROPHYSICS	2011



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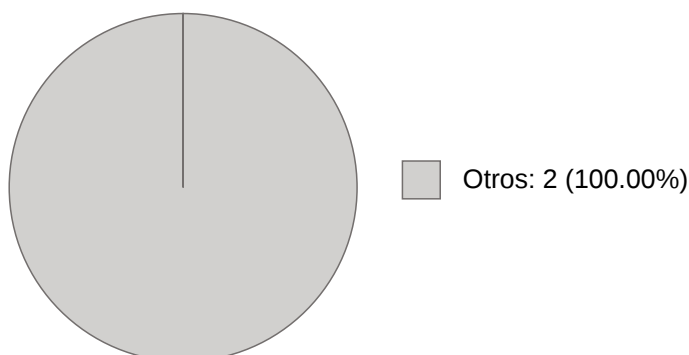
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110	Artificial neural networks for quasar selection and photometric redshift determination	MARIANA VARGAS MAGAÑA Yèche C. Petitjean P. et al.	ASTRONOMY & ASTROPHYSICS	2010
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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

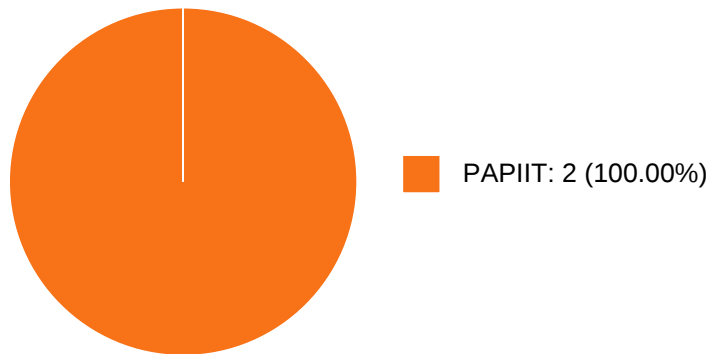


#	Título	Autores	Alcance	Año	ISBN
1	Constrain modifed gravity models using 2-point marked correlation funcion on galaxy survey	SEBASTIEN MICKAEL MARC FROMENTEAU MARIANA VARGAS MAGAÑA Auge E. et al.	Conferenc e Paper	2020	9791096879076
2	Unraveling the universe with DESI	MARIANA VARGAS MAGAÑA Brooks D.D. Levi M.M. et al.	Conferenc e Paper	2020	9791096879076

MARIANA VARGAS MAGAÑA

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

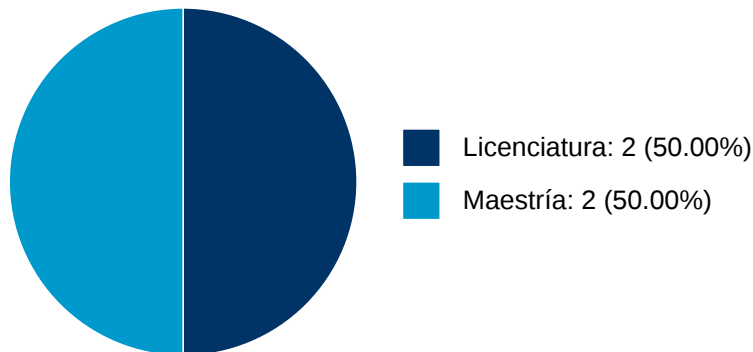


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Descifrar el Universo con los experimentos de energía oscura de cuarta generación: el desafío de incrementar la precisión un orden de magnitud	MARIANA VARGAS MAGAÑA	Recursos PAPIIT	01-01-2021	31-12-2023
2	Descifrar el Universo con los experimentos de energía oscura de cuarta generación: preparando los primeros análisis de DESI	MARIANA VARGAS MAGAÑA	Recursos PAPIIT	01-01-2024	31-12-2026

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

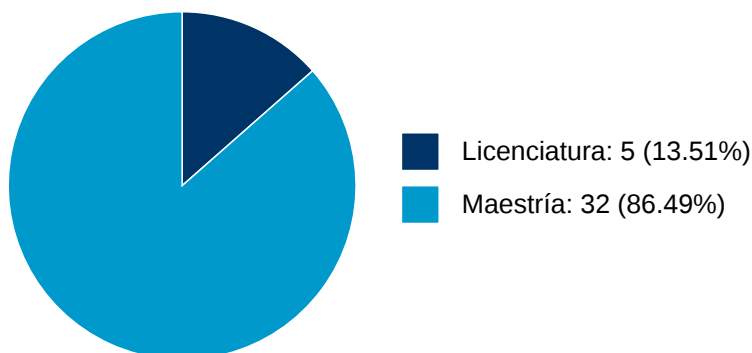


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Estudio de la conexión galaxia - materia oscura en cosmología	Tesis de Maestría	MARIANA VARGAS MAGAÑA,	Sandoval Ramos, Beatriz Miroslava,	Instituto de Física,	2022
2	Mitigation techniques for the fiber assignment effect on desi luminous red galaxies sample	Tesis de Maestría	MARIANA VARGAS MAGAÑA,	Arroyo Cárdenas, César Augusto,	Instituto de Física,	2021
3	Investigando el modelo de gravedad con estadísticas de 2 y 3 puntos	Tesis de Licenciatura	MARIANA VARGAS MAGAÑA,	Meneses Rizo, Jennifer,	Instituto de Física,	2021
4	Explorando las estructuras del universo : el algoritmo de reconstrucción en galaxias de eBOSS	Tesis de Licenciatura	MARIANA VARGAS MAGAÑA,	Tapia Benavides, Brenda Izamar,	Instituto de Física,	2021

MARIANA VARGAS MAGAÑA

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	SEMINARIO DE INVESTIGACIÓN I	Instituto de Física	1	2024-2
2	Maestría	TEMAS SELECTOS INVESTIGACIÓN CONTEMPORÁNEA EN GAEN	Instituto de Física	6	2024-2
3	Maestría	SEMINARIO DE GRADUACIÓN	Instituto de Astronomía	1	2024-1
4	Maestría	PROBLEMAS CONTEMPORÁNEOS DE COSMOLOGÍA DEL CAMPO DE CONOCIMIENTO TEÓRICA	Instituto de Astronomía	1	2024-1
5	Maestría	TEMAS SELECTOS INVESTIGACIÓN CONTEMPORÁNEA EN GAEN	Instituto de Física	2	2024-1
6	Maestría	TEMAS SELECTOS MÉTODOS ESTADÍSTICOS Y NUMÉRICOS EN COSMOLOGÍA	Instituto de Física	5	2024-1
7	Maestría	SEMINARIO DE INVESTIGACIÓN II DE LOS CAMPOS DE CONOCIMIENTO TEÓRICA, OBSERVACIONAL, CAMPOS PART	Instituto de Astronomía	1	2023-2
8	Maestría	PROBLEMAS CONTEMPORÁNEOS DE COSMOLOGÍA DEL CAMPO DE CONOCIMIENTO TEÓRICA	Instituto de Astronomía	1	2023-2
9	Maestría	TEMAS SELECTOS MÉTODOS ESTADÍSTICOS Y NUMÉRICOS EN COSMOLOGÍA	Instituto de Física	2	2023-1
10	Maestría	PROBLEMAS CONTEMPORÁNEOS DE COSMOLOGÍA DEL CAMPO DE CONOCIMIENTO TEÓRICA	Instituto de Astronomía	2	2023-1
11	Maestría	SEMINARIO DE GRADUACIÓN	Instituto de Astronomía	1	2023-1

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12	Maestría	SEMINARIO DE INVESTIGACIÓN I DE LOS CAMPOS DE CONOCIMIENTO TEÓRICA, OBSERVACIONAL, CAMPOS PART	Instituto de Astronomía	1	2023-1
13	Maestría	SEMINARIO DE INVESTIGACIÓN II DE LOS CAMPOS DE CONOCIMIENTO TEÓRICA, OBSERVACIONAL, CAMPOS PART	Instituto de Astronomía	0	2022-2
14	Maestría	SEMINARIO DE INVESTIGACIÓN II DE LOS CAMPOS DE CONOCIMIENTO TEÓRICA, OBSERVACIONAL, CAMPOS PART	Instituto de Astronomía	1	2022-2
15	Maestría	SEMINARIO DE INVESTIGACIÓN II	Instituto de Física	1	2022-1
16	Maestría	SEMINARIO DE INVESTIGACIÓN I DE LOS CAMPOS DE CONOCIMIENTO TEÓRICA, OBSERVACIONAL, CAMPOS PART	Instituto de Astronomía	1	2022-1
17	Maestría	TEMAS SELECTOS	Instituto de Física	1	2022-1
18	Maestría	SEMINARIO DE INVESTIGACIÓN I	Instituto de Física	1	2021-2
19	Maestría	SEMINARIO DE INVESTIGACIÓN II	Instituto de Física	1	2021-1
20	Maestría	TEMAS SELECTOS METODOS ESTADISTICOS Y NUMERICOS EN COSMOLOGIA	Instituto de Física	8	2021-1
21	Licenciatura	TEM. SELEC. RELAT.COSMOL. GRAVIT. I	Facultad de Ciencias	6	2021-1
22	Maestría	SEMINARIO DE INVESTIGACIÓN I	Instituto de Física	1	2020-2
23	Maestría	TEMAS SELECTOS METODOS ESTATÍSTICOS Y NUMÉRICOS EN COSMOLOGIA	Instituto de Física	2	2020-1
24	Maestría	PROBLEMAS CONTEMPORÁNEOS DE COSMOLOGÍA DEL CAMPO DE CONOCIMIENTO TEORÍA.	Instituto de Astronomía	3	2020-1
25	Licenciatura	TEM.SELEC.RELAT.COSMOL.GRAVIT.III	Facultad de Ciencias	3	2020-1
26	Maestría	SEMINARIO DE INVESTIGACIÓN II	Instituto de Física	1	2019-2
27	Maestría	TEMAS SELECTOS MÉTODOS ESTADÍSTICOS Y NUMÉRICOS EN COSMOLOGÍA	Instituto de Física	4	2019-1
28	Maestría	PROBLEMAS CONTEMPORÁNEOS DE COSMOLOGÍA DEL CAMPO DE CONOCIMIENTO TEOR.	Instituto de Astronomía	1	2019-1
29	Licenciatura	TEM. SELEC. RELAT.COSMOL. GRAVIT. I	Facultad de Ciencias	4	2019-1
30	Maestría	SEMINARIO DE INVESTIGACIÓN I	Instituto de Física	1	2019-1
31	Maestría	SEMINARIO DE GRADUACIÓN	Instituto de Astronomía	1	2017-2
32	Maestría	SEMINARIO DE INVESTIGACION II-318612	Instituto de Astronomía	1	2017-1
33	Maestría	TEMAS SELECTOS DE ASTROFISICA-394822	Instituto de Astronomía	1	2017-1
34	Maestría	TEMAS SELECTOS DE ASTROFÍSICA DE LOS CAMPOS DE CONOCIMIENTO TEOR,OBSV,CPAR-396852	Instituto de Astronomía	1	2017-1
35	Licenciatura	COMPUTACION	Facultad de Ciencias	27	2017-1
36	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Astronomía	1	2016-2
37	Licenciatura	TEM. SELEC. RELAT.COSMOL. GRAVIT. I	Facultad de Ciencias	9	2016-1



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PATENTES

No se encuentran registros en la base de datos de patentes asociados a:

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FUENTES DE INFORMACIÓN

Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2025
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2025
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2025
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2025
9	Documentos Indexados	Thomson Reuters	WoS	2008-2025
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2025
11	Patentes	IMPI	SIGA	2008-2024