



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



BARBARA SELEN PICHARDO SILVA

Datos Generales

Nombre: BARBARA SELEN PICHARDO SILVA

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 14 años

Nombramientos

Último: INVESTIGADOR TITULAR B TC Definitivo
Instituto de Astronomía
Desde 01-02-2016 hasta 30-04-2019

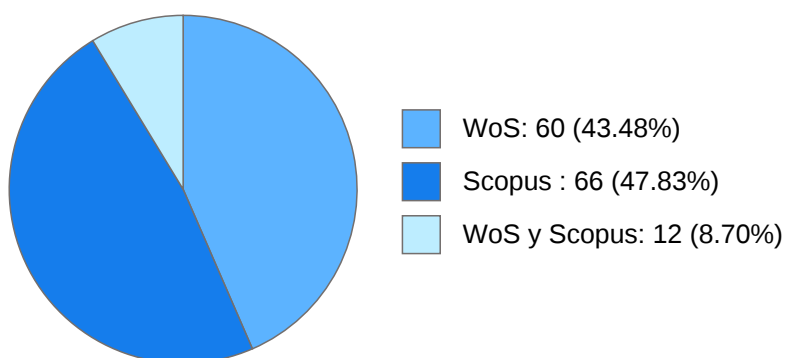
Estímulos, programas, premios y reconocimientos

SNI II 2015 - 2022
SNI I 2009 - 2014
PRIDE D 2013 - 2019
PRIDE C 2010 - 2013
PRIDE B - 2010

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	The imprint of arms and bars on rotation curves: in-plane and off-plane	LUIS ALBERTO MARTINEZ MEDINA BARBARA SELEN PICHARDO SILVA ANTONIO PEIMBERT TORRES	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2020
2	Dynamics of Thick, Open Spirals in PERLAS Potentials	EDMUNDO MORENO DIAZ BARBARA SELEN PICHARDO SILVA L. Chaves-Velasquez et al.	ASTROPHYSICAL JOURNAL	2019
3	On the Dynamical Relevance of Galaxy Spiral Arm Evolution. I. Arm Density Structure	HECTOR VELAZQUEZ RANGEL BARBARA SELEN PICHARDO SILVA JOSE OCTAVIO VALENZUELA TIJERINO et al.	ASTROPHYSICAL JOURNAL	2019
4	First Results from the Rapid-response Spectrophotometric Characterization of Near-Earth Objects Using RATIR	MAURICIO REYES RUIZ BARBARA SELEN PICHARDO SILVA S. Navarro-Meza et al.	ASTRONOMICAL JOURNAL	2019
5	From ridges in the velocity distribution to wiggles in the rotation curve	LUIS ALBERTO MARTINEZ MEDINA BARBARA SELEN PICHARDO SILVA ANTONIO PEIMBERT TORRES et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2019

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6	The Contribution of Dwarf Planets to the Origin of Jupiter Family Comets	MARCO ANTONIO MUÑOZ GUTIERREZ ANTONIO PEIMBERT TORRES BARBARA SELEN PICHARDO SILVA et al.	ASTRONOMICAL JOURNAL	2019
7	The HST Large Programme on ? Centauri. III. Absolute Proper Motion	EDMUNDO MORENO DIAZ BARBARA SELEN PICHARDO SILVA Mattia Libralato et al.	ASTROPHYSICAL JOURNAL	2018
8	New insights into the origin and evolution of the old, metal-rich open cluster NGC 6791	BARBARA SELEN PICHARDO SILVA ANTONIO PEIMBERT TORRES Luis A. Martinez-Medina et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2018
9	The Contribution of Dwarf Planets to the Origin of Low-inclination Comets by the Replenishment of Mean Motion Resonances in Debris Disks	MARCO ANTONIO MUÑOZ GUTIERREZ ANTONIO PEIMBERT TORRES BARBARA SELEN PICHARDO SILVA	ASTRONOMICAL JOURNAL	2018
10	Atypical Mg-poor Milky Way Field Stars with Globular Cluster Second-generation-like Chemical Patterns	EDMUNDO MORENO DIAZ BARBARA SELEN PICHARDO SILVA JOSE OCTAVIO VALENZUELA TIJERINO et al.	ASTROPHYSICAL JOURNAL LETTERS	2017
11	ON THE SURVIVAL OF HIGH-ALTITUDE OPEN CLUSTERS WITHIN THE MILKY WAY GALAXY TIDES	BARBARA SELEN PICHARDO SILVA ANTONIO PEIMBERT TORRES EDMUNDO MORENO DIAZ et al.	ASTROPHYSICAL JOURNAL	2017
12	Dynamics and morphology of the Milky Way spiral arms from the metallicity distribution and radial mixing	BARBARA SELEN PICHARDO SILVA ANTONIO PEIMBERT TORRES MARIA LETICIA CARIGI DELGADO et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2017
13	Giant Planets Can Act as Stabilizing Agents on Debris Disks	MARCO ANTONIO MUÑOZ GUTIERREZ BARBARA SELEN PICHARDO SILVA ANTONIO PEIMBERT TORRES	ASTRONOMICAL JOURNAL	2017
14	FIRST RESULTS FROM THE RAPID-RESPONSE SPECTROPHOTOMETRIC CHARACTERIZATION OF NEAR-EARTH OBJECTS USING UKIRT	MAURICIO REYES RUIZ BARBARA SELEN PICHARDO SILVA Mommert, M. et al.	ASTRONOMICAL JOURNAL	2016
15	ON THE ORIGIN OF HIGH-ALTITUDE OPEN CLUSTERS IN THE MILKY WAY	BARBARA SELEN PICHARDO SILVA EDMUNDO MORENO DIAZ ANTONIO PEIMBERT TORRES et al.	ASTROPHYSICAL JOURNAL LETTERS	2016
16	DISCOVERY OF A METAL-POOR FIELD GIANT WITH A GLOBULAR CLUSTER SECOND-GENERATION ABUNDANCE PATTERN	EDMUNDO MORENO DIAZ JOSE OCTAVIO VALENZUELA TIJERINO BARBARA SELEN PICHARDO SILVA et al.	ASTROPHYSICAL JOURNAL	2016

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17	Close encounters involving RAVE stars beyond the 47 Tucanae tidal radius	EDMUNDO MORENO DIAZ JOSE OCTAVIO VALENZUELA TIJERINO BARBARA SELEN PICHARDO SILVA et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2016
18	Revealing the spiral arms through radial migration and the shape of the metallicity distribution function	BARBARA SELEN PICHARDO SILVA EDMUNDO MORENO DIAZ ANTONIO PEIMBERT TORRES et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2016
19	Searching for tidal tails around ? Centauri using RR Lyrae stars	C. E. Mateu JOSE OCTAVIO VALENZUELA TIJERINO EDMUNDO MORENO DIAZ et al.	ASTRONOMY & ASTROPHYSICS	2015
20	Chaotic dynamics of Comet 1P/Halley: Lyapunov exponent and survival time expectancy	FELIPE MUÑOZ GUTIERREZ MAURICIO REYES RUIZ BARBARA SELEN PICHARDO SILVA	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2015
21	The contribution of spiral arms to the thick disk along the hubble sequence	BARBARA SELEN PICHARDO SILVA A. PerezVillegas EDMUNDO MORENO DIAZ et al.	ASTROPHYSICAL JOURNAL	2015
22	DETECTING TRIAXIALITY in the GALACTIC DARK MATTER HALO THROUGH STELLAR KINEMATICS. II. DEPENDENCE on NATURE DARK MATTER and GRAVITY	Armando RojasNino BARBARA SELEN PICHARDO SILVA JOSE OCTAVIO VALENZUELA TIJERINO et al.	ASTROPHYSICAL JOURNAL	2015
23	Resonant trapping in the galactic disc and halo and its relation with moving groups	EDMUNDO MORENO DIAZ BARBARA SELEN PICHARDO SILVA WILLIAM JOHN SCHUSTER	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2015
24	The galactic branches as a possible evidence for transient spiral arms	Angeles PerezVillegas GILBERTO CARLOS GOMEZ REYES BARBARA SELEN PICHARDO SILVA	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2015
25	Stellar orbital studies in normal spiral galaxies. II. restrictions on structural and dynamical parameters on spiral arms	BARBARA SELEN PICHARDO SILVA EDMUNDO MORENO DIAZ PerezVillegas, A.	ASTROPHYSICAL JOURNAL	2015
26	Dynamical heating induced by dwarf planets on cold kuiper belt-like debris disks	FELIPE MUÑOZ GUTIERREZ BARBARA SELEN PICHARDO SILVA MAURICIO REYES RUIZ et al.	ASTROPHYSICAL JOURNAL LETTERS	2015

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27	RAVE stars tidally stripped or ejected from the ? Centauri globular cluster	EDMUNDO MORENO DIAZ JOSE OCTAVIO VALENZUELA TIJERINO BARBARA SELEN PICHARDO SILVA et al.	ASTRONOMY & ASTROPHYSICS	2015
28	POTENTIAL OF THE GALAXY FROM THE BESANCON GALAXY MODEL INCLUDING NON-AXISYMMETRIC COMPONENTS: PRELIMINARY RESULTS	JOSE OCTAVIO VALENZUELA TIJERINO BARBARA SELEN PICHARDO SILVA J. G. Fernandez-Trincado et al.	Eas Publications Series	2015
29	STELLAR ORBITAL STUDIES IN NORMAL SPIRAL GALAXIES: EFFECT OF SPIRAL ARMS ON DISK DYNAMICS	BARBARA SELEN PICHARDO SILVA EDMUNDO MORENO DIAZ A. Perez-Villegas	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2015
30	Novel kinematic methods to trace spiral arms nature using gaia data	JOSE OCTAVIO VALENZUELA TIJERINO BARBARA SELEN PICHARDO SILVA HECTOR MANUEL VELAZQUEZ et al.	Eas Publications Series	2014
31	Non-axisymmetric structure in the satellite dwarf galaxy NGC 2976: Implications for its dark/bright mass distribution and evolution	JOSE OCTAVIO VALENZUELA TIJERINO HECTOR MANUEL HERNANDEZ TOLEDO Mariana Cano et al.	ASTRONOMICAL JOURNAL	2014
32	A novel method to bracket the corotation radius in galaxy discs: Vertex deviation maps	JOSE OCTAVIO VALENZUELA TIJERINO BARBARA SELEN PICHARDO SILVA Roca-Fabrega, Santi et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2014
33	Habitable zones with stable orbits for planets around binary systems	LUISA GUADALUPE JAIME GONZALEZ LUIS ALBERTO AGUILAR CHIU BARBARA SELEN PICHARDO SILVA	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2014
34	Tidal radii and destruction rates of globular clusters in the milky way due to bulge-bar and disk shocking	EDMUNDO MORENO DIAZ BARBARA SELEN PICHARDO SILVA HECTOR MANUEL VELAZQUEZ	ASTROPHYSICAL JOURNAL	2014
35	Pitch angle restrictions in normal spiral galaxies based on ordered and chaotic orbital behavior	BARBARA SELEN PICHARDO SILVA EDMUNDO MORENO DIAZ Pérez-Villegas A.	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2014

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36	Comparing gaseous and stellar orbits in a spiral potential	GILBERTO CARLOS GOMEZ REYES BARBARA SELEN PICHARDO SILVA MARCO ANTONIO MARTOS NUÑEZ DE CACERES	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2013
37	Habitability in different milky way stellar environments: A stellar interaction dynamical approach	JUAN JOSE JIMENEZ TORRES BARBARA SELEN PICHARDO SILVA ANTIGONA SEGURA PERALTA et al.	Astrobiology	2013
38	On galaxy spiral arms' nature as revealed by rotation frequencies	JOSE OCTAVIO VALENZUELA TIJERINO HECTOR MANUEL VELAZQUEZ BARBARA SELEN PICHARDO SILVA et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2013
39	STELLAR ORBITAL STUDIES IN NORMAL SPIRAL GALAXIES. I. RESTRICTIONS TO THE PITCH ANGLE	A. Perez Villegas BARBARA SELEN PICHARDO SILVA EDMUNDO MORENO DIAZ	ASTROPHYSICAL JOURNAL	2013
40	PITCH ANGLE RESTRICTIONS IN LATE-TYPE SPIRAL GALAXIES BASED ON CHAOTIC AND ORDERED ORBITAL BEHAVIOR	A. Perez Villegas BARBARA SELEN PICHARDO SILVA EDMUNDO MORENO DIAZ et al.	ASTROPHYSICAL JOURNAL LETTERS	2012
41	Two distinct halo populations in the solar neighborhood III. Evidence from stellar ages and orbital parameters	WILLIAM JOHN SCHUSTER EDMUNDO MORENO DIAZ BARBARA SELEN PICHARDO SILVA et al.	ASTRONOMY & ASTROPHYSICS	2012
42	THE SUN WAS NOT BORN IN M67	BARBARA SELEN PICHARDO SILVA EDMUNDO MORENO DIAZ CHRISTINE PATRICIA ALLEN ARMIÑO et al.	ASTRONOMICAL JOURNAL	2012
43	DETECTING TRIAXIALITY IN THE GALACTIC DARK MATTER HALO THROUGH STELLAR KINEMATICS	Armando Rojas Nino JOSE OCTAVIO VALENZUELA TIJERINO BARBARA SELEN PICHARDO SILVA et al.	ASTROPHYSICAL JOURNAL LETTERS	2012
44	Regions of dynamical stability for discs and planets in binary stars of the solar neighbourhood	LUISA GUADALUPE JAIME GONZALEZ BARBARA SELEN PICHARDO SILVA LUIS ALBERTO AGUILAR CHIU	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2012
45	Modelling the inner parts of the Milky Way using invariant manifolds	JOSE OCTAVIO VALENZUELA TIJERINO BARBARA SELEN PICHARDO SILVA Romero-Gomez M. et al.	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2011

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46	A possible local diagnostic for the Milky Way dark matter halo triaxiality	JOSE OCTAVIO VALENZUELA TIJERINO BARBARA SELEN PICHARDO SILVA Rojas-Niño A.	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2011
47	Effect of different stellar galactic environments on planetary discs - I. The solar neighbourhood and the birth cloud of the Sun	JUAN JOSE JIMENEZ TORRES BARBARA SELEN PICHARDO SILVA Henry Throop et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2011
48	Understanding the spiral structure of the Milky Way using the local kinematic groups	BARBARA SELEN PICHARDO SILVA JOSE OCTAVIO VALENZUELA TIJERINO EDMUNDO MORENO DIAZ et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2011
49	Absolute proper motion of the Galactic open cluster M 67	BARBARA SELEN PICHARDO SILVA EDMUNDO MORENO DIAZ CHRISTINE PATRICIA ALLEN ARMIÑO et al.	ASTRONOMY & ASTROPHYSICS	2010
50	The origin of stellar moving groups	JOSE OCTAVIO VALENZUELA TIJERINO BARBARA SELEN PICHARDO SILVA Antoja T. et al.	Lecture Notes And Essays In Astrophysics - 4th Symposium Of The Astrophysics Group Of The Spanish Royal Physical	2009
51	On the gravitational content of molecular clouds and their cores	JAVIER BALLESTEROS PAREDES GILBERTO CARLOS GOMEZ REYES BARBARA SELEN PICHARDO SILVA et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2009
52	Tidal forces as a regulator of star formation in Taurus	JAVIER BALLESTEROS PAREDES GILBERTO CARLOS GOMEZ REYES LAURENT RAYMOND LOINARD et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2009
53	STELLAR KINEMATIC CONSTRAINTS ON GALACTIC STRUCTURE MODELS REVISITED: BAR AND SPIRAL ARM RESONANCES	JOSE OCTAVIO VALENZUELA TIJERINO BARBARA SELEN PICHARDO SILVA EDMUNDO MORENO DIAZ et al.	ASTROPHYSICAL JOURNAL LETTERS	2009

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54	A simple analytical formulation for periodic orbits in binary stars	Erick Nagel BARBARA SELEN PICHARDO SILVA	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2008
55	Geometrical and physical properties of circumbinary discs in eccentric stellar binaries	BARBARA SELEN PICHARDO SILVA Sparke, Linda S. LUIS ALBERTO AGUILAR CHIU	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2008
56	Dynamics of planetary systems in different galactic environments	JUAN JOSE JIMENEZ TORRES BARBARA SELEN PICHARDO SILVA	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2008
57	Six new galactic orbits of globular clusters in a milky-way-like galaxy	CHRISTINE PATRICIA ALLEN ARMIÑO BARBARA SELEN PICHARDO SILVA EDMUNDO MORENO DIAZ	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2008
58	Tidal shocks in globular clusters with a barred galactic potential	CHRISTINE PATRICIA ALLEN ARMIÑO BARBARA SELEN PICHARDO SILVA EDMUNDO MORENO DIAZ	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2008
59	Circumstellar and circumbinary disks in eccentric stellar binaries	BARBARA SELEN PICHARDO SILVA Sparke L.S. LUIS ALBERTO AGUILAR CHIU	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2008
60	The orbits of 48 globular clusters in a Milky Way-like barred galaxy	CHRISTINE PATRICIA ALLEN ARMIÑO BARBARA SELEN PICHARDO SILVA EDMUNDO MORENO DIAZ	ASTROPHYSICAL JOURNAL	2006
61	Circumstellar and circumbinary discs in eccentric stellar binaries	BARBARA SELEN PICHARDO SILVA LUIS ALBERTO AGUILAR CHIU Sparke L.S.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2005

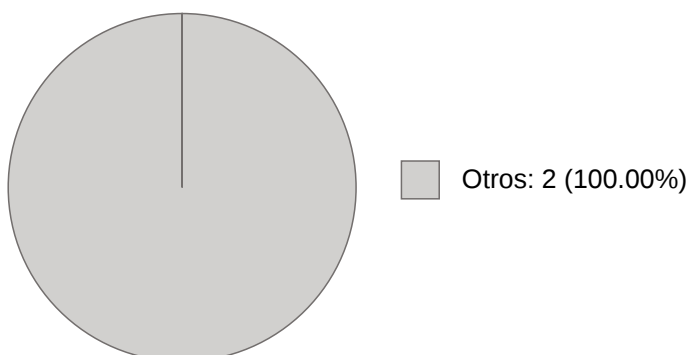
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62	A plausible Galactic spiral pattern and its rotation speed	MARCO ANTONIO MARTOS NUÑEZ DE CACERES XAVIER NICOLAS HERNANDEZ DORING BARBARA SELEN PICHARDO SILVA et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2004
63	Models for the gravitational field of the galactic bar: An application to stellar orbits in the galactic plane and orbits of some globular clusters	BARBARA SELEN PICHARDO SILVA MARCO ANTONIO MARTOS NUÑEZ DE CACERES EDMUNDO MORENO DIAZ	ASTROPHYSICAL JOURNAL	2004
64	Nonlinear effects in models of the galaxy. I. Midplane stellar orbits in the presence of three-dimensional spiral arms	BARBARA SELEN PICHARDO SILVA MARCO ANTONIO MARTOS NUÑEZ DE CACERES JULIA ESPRESATE EIBENSCHUTZ et al.	ASTROPHYSICAL JOURNAL	2003
65	Intrinsic, observed, and retrieved properties of interstellar turbulence	ENRIQUE CRISTIAN VAZQUEZ SEMADENI BARBARA SELEN PICHARDO SILVA Brunt C.M. et al.	ASTROPHYSICAL JOURNAL	2003
66	Emissivity statistics in turbulent compressible magnetohydrodynamic flows and the density-velocity correlation	ENRIQUE CRISTIAN VAZQUEZ SEMADENI BARBARA SELEN PICHARDO SILVA Lazarian A. et al.	ASTROPHYSICAL JOURNAL	2001
67	The formation of tidal dwarf galaxies in interacting systems: The case of ARP 245 (NGC 2992/93)	BARBARA SELEN PICHARDO SILVA Brinks E. Duc P.-A. et al.	ASTROPHYSICS AND SPACE SCIENCE	2001
68	Formation of a tidal dwarf galaxy in the interacting system ARP 245 (NGC 2992/93)	BARBARA SELEN PICHARDO SILVA Duc P.-A. Brinks E. et al.	ASTRONOMICAL JOURNAL	2000
69	On the effects of projection on morphology	BARBARA SELEN PICHARDO SILVA ENRIQUE CRISTIAN VAZQUEZ SEMADENI ADRIANA GAZOL PATIÑO et al.	ASTROPHYSICAL JOURNAL	2000

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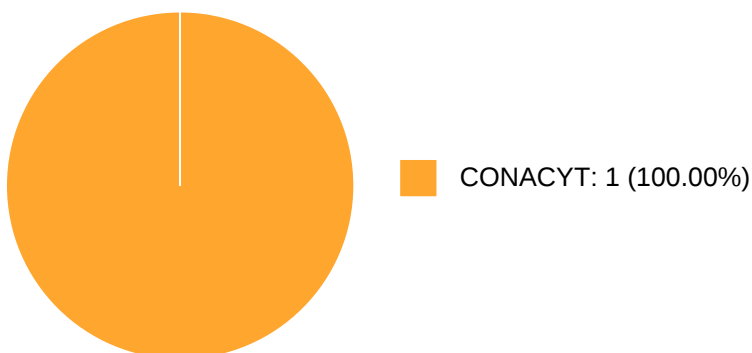


#	Título	Autores	Alcance	Año	ISBN
1	On the galactic spiral arms nature as revealed by the kinematics of the stellar component	JOSE OCTAVIO VALENZUELA TIJERINO HECTOR MANUEL VELAZQUEZ BARBARA SELEN PICHARDO SILVA et al.	Conferenc e Paper	2020	9788409093311
2	Comparing Gaseous and Stellar Orbits in a Spiral Potential	GILBERTO CARLOS GOMEZ REYES BARBARA SELEN PICHARDO SILVA MARCO ANTONIO MARTOS NUÑEZ DE CACERES et al.	Procedin gs Paper	2014	9781583818442

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

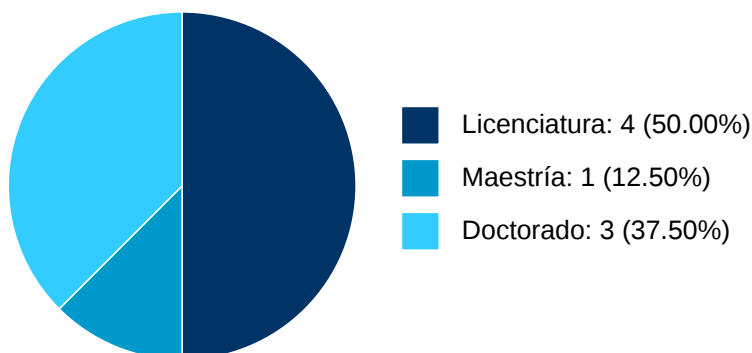


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Análisis en tres dimensiones de discos y halos estelares de galaxias espirales en diferentes tipos morfológicos: dinámica orbital y químico dinámica.	BARBARA SELEN PICHARDO SILVA	Recursos CONACYT	01-11-2016	14-04-2020

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	La contribución de los planetas enanos y cuerpos menores del cinturón de asteroides a la población de objetos cercanos a la tierra	Tesis de Licenciatura	BARBARA SELEN PICHARDO SILVA,	Morales Sánchez, Norma Imelda,	Instituto de Astronomía,	2018
2	Dinámica estelar orbital en galaxias con barras peculiares	Tesis de Licenciatura	BARBARA SELEN PICHARDO SILVA,	Trelles Hernández, José Arturo,	Instituto de Astronomía,	2016
3	Dinámica orbital caótica en el cinturón de kuiper	Tesis de Doctorado	BARBARA SELEN PICHARDO SILVA,	MAURICIO REYES RUIZ, Muñoz Gutierrez, Marco Antonio,	Instituto de Astronomía,	2016
4	Huellas de la formación de la vía láctea	Tesis de Doctorado	BARBARA SELEN PICHARDO SILVA,	JOSE OCTAVIO VALENZUELA TIJERINO, Rojas Niño, Armando,	Instituto de Astronomía,	2014
5	Estructura y dinámica de galaxias espirales normales : orden y caos orbital estelar	Tesis de Doctorado	BARBARA SELEN PICHARDO SILVA,	Pérez Villegas, Maria de los Angeles,	Instituto de Astronomía,	2013

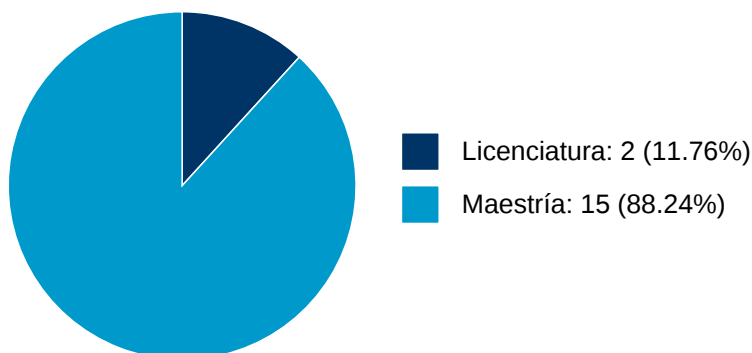
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6	Dinámica de discos planetarios en cúmulos estelares	Tesis de Licenciatura	BARBARA SELEN PICHARDO SILVA,	Torres Rodríguez, Santiago,	Instituto de Astronomía,	2012
7	Búsqueda de regiones estables para discos de acreción y planetarios en sistemas binarios excéntricos con razón de masa extrema	Tesis de Licenciatura	BARBARA SELEN PICHARDO SILVA,	Gabino Gutiérrez, Federico,	Instituto de Astronomía,	2010
8	Dinámica de sistemas planetarios en diferentes ambientes galácticos	Tesis de Maestría	BARBARA SELEN PICHARDO SILVA,	Jiménez Torres, Juan José,	Instituto de Astronomía,	2009

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	DINÁMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Astronomía	2	2019-1
2	Maestría	DINÁMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Astronomía	16	2018-2
3	Maestría	DINÁMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Astronomía	17	2017-2
4	Licenciatura	TALLER INVEST.CIENCIAS ESPACIAL.II	Facultad de Ciencias	2	2017-2
5	Licenciatura	TALLER INVEST.CIENCIAS ESPACIAL.I	Facultad de Ciencias	2	2017-1
6	Maestría	DINAMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Astronomía	9	2016-2
7	Maestría	SEMINARIO DE GRADUACION	Instituto de Astronomía	1	2016-2
8	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Astronomía	1	2016-1
9	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Astronomía	1	2015-2
10	Maestría	DINAMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Astronomía	3	2015-2
11	Maestría	DINAMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Astronomía	11	2014-2
12	Maestría	DINAMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Astronomía	5	2013-1
13	Maestría	ESTRUCTURA GALACTICA Y DINAMICA ESTELAR	Instituto de Astronomía	7	2010-2
14	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Astronomía	1	2009-1
15	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Astronomía	1	2008-2
16	Maestría	ESTRUCTURA GALACTICA Y DINAMICA ESTELAR	Instituto de Astronomía	8	2008-2
17	Maestría	SEMINARIO DE INVESTIGACION III	Instituto de Astronomía	1	2008-1



Sistema Integral de Información Académica
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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