



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



GILBERTO CARLOS GOMEZ REYES

Datos Generales

Nombre: GILBERTO CARLOS GOMEZ REYES

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Nombramientos

Vigente: INVESTIGADOR TITULAR B TC Definitivo
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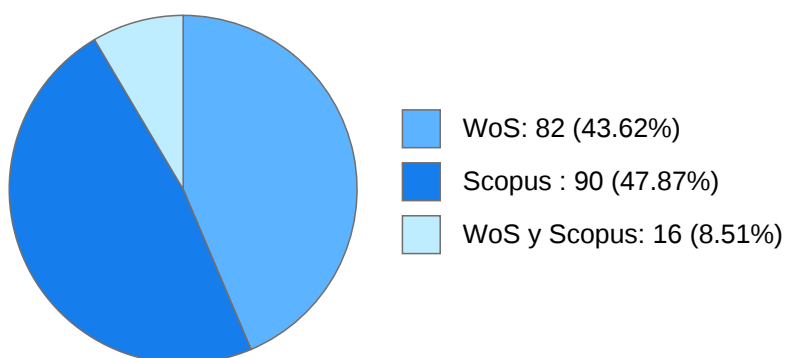
Estímulos, programas, premios y reconocimientos

SNI II 2014 - VIGENTE
SNI I 2009 - 2013
PRIDE C 2012 - 2024
PRIDE B - 2012

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	The role of shocks and the velocity gradient in the relative orientation of the magnetic field and dense gas clouds	ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES Guido Granda-Munoz	ASTRONOMY & ASTROPHYSICS	2025
2	The ALMA-QUARKS Survey: Detection of Two Extremely Dense Substructures in a Massive Prestellar Core	ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES AINA PALAU PUIGVERT et al.	ASTROPHYSICAL JOURNAL LETTERS	2024
3	The ALMA Survey of Star Formation and Evolution in Massive Protoclusters with Blue Profiles (ASSEMBLE): Core Growth, Cluster Contraction, and Primordial Mass Segregation	AINA PALAU PUIGVERT GILBERTO CARLOS GOMEZ REYES ENRIQUE CRISTIAN VAZQUEZ SEMADENI et al.	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	2024
4	Multiscale accretion in dense cloud cores and the delayed formation of massive stars	ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES ALEJANDRO GONZALEZ SAMANIEGO	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2024
5	ATOMS: ALMA three-millimetre observations of massive star-forming regions?XVII. High-mass star-formation through a large-scale collapse in IRAS 15394-5358	ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES AINA PALAU PUIGVERT et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2024

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6	Gas dynamics in the central molecular zone and its connection with the galactic bar	GILBERTO CARLOS GOMEZ REYES MARIA DE LOS ANGELES PEREZ VILLEGAS Leonardo Chaves-Velasquez	PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA	2024
7	Diminishing benefits of urban living for children and adolescents? growth and development	BENJAMIN ACOSTA CAZARES CARLOS ALBERTO AGUILAR SALINAS MAGALI BARRETO AVILA et al.	Nature	2023
8	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions ? XV. Steady accretion from global collapse to core feeding in massive hub-filament system SDC335	GILBERTO CARLOS GOMEZ REYES ENRIQUE CRISTIAN VAZQUEZ SEMADENI Xu F.-W. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2023
9	Direct Observational Evidence of the Multi-scale, Dynamical Mass Accretion Toward a High-mass Star-forming Hub-filament System	ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES AINA PALAU PUIGVERT et al.	ASTROPHYSICAL JOURNAL	2023
10	A resolution criterion based on characteristic time-scales for MHD simulations of molecular clouds	ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES Granda-Muñoz G. et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2022
11	Different molecular filament widths as tracers of accretion on to filaments	GILBERTO CARLOS GOMEZ REYES AINA PALAU PUIGVERT Catherine Walsh	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2022
12	ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions - XI. From inflow to infall in hub-filament systems	GILBERTO CARLOS GOMEZ REYES ENRIQUE CRISTIAN VAZQUEZ SEMADENI Jian-Wen Zhou et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2022
13	Density profile evolution during prestellar core collapse: collapse starts at the large scale	GILBERTO CARLOS GOMEZ REYES ENRIQUE CRISTIAN VAZQUEZ SEMADENI AINA PALAU PUIGVERT	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2021
14	Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at s=13TeV	DIEGO GIOVANNI GONZALEZ VALLEJO ALBA ICXIUH ROMERO RODRIGUEZ ALEJANDRO SOLANO PERALTA et al.	PHYSICS LETTERS B	2020

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15	Observation of nuclear modifications in $W^\pm$ boson production in pPb collisions at $\sqrt{s_{NN}}=8.16\text{TeV}$	DIEGO GIOVANNI GONZALEZ VALLEJO ALBA ICXIUH ROMERO RODRIGUEZ ALEJANDRO SOLANO PERALTA et al.	PHYSICS LETTERS B	2020
16	Search for light pseudoscalar boson pairs produced from decays of the 125 GeV Higgs boson in final states with two muons and two nearby tracks in pp collisions at $\sqrt{s}=13\text{TeV}$	Lincoln D. Lipton R. Liu M. et al.	PHYSICS LETTERS B	2020
17	Measurement of $t\bar{t}$ normalised multi-differential cross sections in pp collisions at $\sqrt{s}=13\text{TeV}$, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions	JULIO SOLANO GONZALEZ DIEGO GIOVANNI GONZALEZ VALLEJO ALBA ICXIUH ROMERO RODRIGUEZ et al.	EUROPEAN PHYSICAL JOURNAL C	2020
18	Strange hadron production in pp and pPb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$	DIEGO GIOVANNI GONZALEZ VALLEJO GILBERTO CARLOS GOMEZ REYES DWIGHT ROBERTO ACOSTA NAJARRO et al.	PHYSICAL REVIEW C	2020
19	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $\sqrt{s}=13\text{TeV}$	DIEGO GIOVANNI GONZALEZ VALLEJO ALBA ICXIUH ROMERO RODRIGUEZ ALEJANDRO SOLANO PERALTA et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020
20	Erratum to: Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s}=7\text{TeV}$ (The European Physical Journal C, (2018), 78, 3, (242), 10.1140/epjc/s10052-018-5691-6)	JOSE CELESTINO GUERRERO Y GARCIA DIEGO GIOVANNI GONZALEZ VALLEJO GILBERTO CARLOS GOMEZ REYES et al.	EUROPEAN PHYSICAL JOURNAL C	2020
21	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s}=13\text{TeV}$	JULIO SOLANO GONZALEZ HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	EUROPEAN PHYSICAL JOURNAL C	2020
22	Constraints on the ρ_{c1} versus ρ_{c2} Polarizations in Proton-Proton Collisions at $\sqrt{s}=8\text{TeV}$	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	PHYSICAL REVIEW LETTERS	2020
23	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $\sqrt{s}=13\text{TeV}$	HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO SUBHASH SHARMA et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020

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24	Measurement of the $\Upsilon(1S)$ pair production cross section and search for resonances decaying to $\Upsilon(1S)\mu^+\mu^-$ in proton-proton collisions at $\sqrt{s}=13\text{TeV}$	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	PHYSICS LETTERS B	2020
25	Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	PHYSICS LETTERS B	2020
26	Study of central exclusive [Equation not available: see fulltext.] production in proton-proton collisions at $\sqrt{s}=5.02$ and 13TeV	JULIO SOLANO GONZALEZ HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	EUROPEAN PHYSICAL JOURNAL C	2020
27	Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020
28	Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at $\sqrt{s} = 13\text{ TeV}$	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020
29	The production of isolated photons in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02\text{ TeV}$	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020
30	Measurements with silicon photomultipliers of dose-rate effects in the radiation damage of plastic scintillator tiles in the CMS hadron endcap calorimeter	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	JOURNAL OF INSTRUMENTATION	2020
31	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques	JULIO SOLANO GONZALEZ MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK et al.	JOURNAL OF INSTRUMENTATION	2020
32	Measurements of production cross sections of WZ and same-sign WW boson pairs in association with two jets in proton-proton collisions at $\sqrt{s}=13\text{TeV}$	HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO JOSE MANUEL HERNANDEZ ALCANTARA et al.	PHYSICS LETTERS B	2020
33	Measurements of $t\bar{t}H$ Production and the CP Structure of the Yukawa Interaction between the Higgs Boson and Top Quark in the Diphoton Decay Channel	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	PHYSICAL REVIEW LETTERS	2020
34	Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $\sqrt{s} = 8\text{ TeV}$	YAN GAO CARLOS GAY Y GARCIA MARIA DEL PILAR GUTIERREZ AMADOR et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020

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35	Search for a light pseudoscalar Higgs boson in the boosted $\mu\mu\tau\tau$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020
36	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	EUROPEAN PHYSICAL JOURNAL C	2020
37	Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s}=13$ TeV	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	PHYSICS LETTERS B	2020
38	A measurement of the Higgs boson mass in the diphoton decay channel	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	PHYSICS LETTERS B	2020
39	Study of J/ψ meson production inside jets in pp collisions at $\sqrt{s}=8$ TeV	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	PHYSICS LETTERS B	2020
40	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	PHYSICAL REVIEW LETTERS	2020
41	Measurement of properties of $B_s^0 \rightarrow \mu^+\mu^-$ decays and search for $B^0 \rightarrow \mu^+\mu^-$ with the CMS experiment	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020
42	Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV with 137 fb^{-1} in final states with a single lepton using the sum of masses of large-radius jets	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	PHYSICAL REVIEW D	2020
43	A search for the standard model Higgs boson decaying to charm quarks	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020
44	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\mu\tau$ and $e\tau$ in proton-proton collisions at $\sqrt{s} = 13$ TeV	HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO SUBHASH SHARMA et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020
45	Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at $\sqrt{s} = 13$ TeV	HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO SUBHASH SHARMA et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020
46	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020

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47	Search for new neutral Higgs bosons through the $H \rightarrow Z\ell^+\ell^-b\bar{b}$ process in pp collisions at $\sqrt{s} = 13$ TeV	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020
48	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV	HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO SUBHASH SHARMA et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020
49	A multi-dimensional search for new heavy resonances decaying to boosted WW , WZ , or ZZ boson pairs in the dijet final state at 13 TeV	JULIO SOLANO GONZALEZ HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	EUROPEAN PHYSICAL JOURNAL C	2020
50	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on anomalous quartic couplings	MUFEI XIAO WU HELGI HELENE GISELA FRANZISKA JUNG COOK DIEGO GIOVANNI GONZALEZ VALLEJO et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020
51	Determination of the strong coupling constant $\alpha_s(m_Z)$ from measurements of inclusive $W^\pm$ and Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV	MUFEI XIAO WU DIEGO GIOVANNI GONZALEZ VALLEJO SUBHASH SHARMA et al.	JOURNAL OF HIGH ENERGY PHYSICS	2020
52	Global hierarchical collapse in molecular clouds. Towards a comprehensive scenario	ENRIQUE CRISTIAN VAZQUEZ SEMADENI AINA PALAU PUIGVERT JAVIER BALLESTEROS PAREDES et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2019
53	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV Using Isolated Photon-Tagged Jets	CHUMIN WANG CHEN HELGI HELENE GISELA FRANZISKA JUNG COOK Usai E. et al.	PHYSICAL REVIEW LETTERS	2018
54	MHD simulations of ram pressure stripping of a disc galaxy	GILBERTO CARLOS GOMEZ REYES Mariana Ramos-Martinez Angeles Perez-Villegas	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2018
55	The magnetic field structure in molecular cloud filaments	GILBERTO CARLOS GOMEZ REYES ENRIQUE CRISTIAN VAZQUEZ SEMADENI Manuel Zamora-Aviles	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2018
56	Search for pair production of vector-like quarks in the $bWb\bar{q}W$ channel from proton-proton collisions at $\sqrt{s}=13$ TeV	LIMEI ZHANG JI CHUMIN WANG CHEN HELGI HELENE GISELA FRANZISKA JUNG COOK et al.	PHYSICS LETTERS B	2018

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57	Observation of the Higgs boson decay to a pair of $\tilde{l}^?$ leptons with the CMS detector	LIMEI ZHANG JI CHUMIN WANG CHEN HELGI HELENE GISELA FRANZISKA JUNG COOK et al.	PHYSICS LETTERS B	2018
58	Measurement of charged pion, kaon, and proton production in proton-proton collisions at $\sqrt{s} = 13$ TeV	JULIO SOLANO GONZALEZ CHUMIN WANG CHEN HELGI HELENE GISELA FRANZISKA JUNG COOK et al.	PHYSICAL REVIEW D	2017
59	MHD simulations of ram pressure stripping of disk galaxies	GILBERTO CARLOS GOMEZ REYES Mariana Ramos-Martinez	Iau Symposium Proceedings Series	2016
60	Filament formation in molecular clouds as a scale-free process	ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES	Iau Symposium Proceedings Series	2015
61	Inverse hubble flows in molecular clouds	ENRIQUE CRISTIAN VAZQUEZ SEMADENI PEDRO COLIN ALMAZAN GILBERTO CARLOS GOMEZ REYES et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2015
62	ERRATUM: "THE FREE-FALL TIME OF FINITE SHEETS AND FILAMENTS" (2012, ApJ, 744, 190)	Jesus A. Toala ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES	ASTROPHYSICAL JOURNAL	2015
63	The galactic branches as a possible evidence for transient spiral arms	Angeles Perez Villegas GILBERTO CARLOS GOMEZ REYES BARBARA SELEN PICHARDO SILVA	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2015
64	Filaments in simulations of molecular cloud formation	GILBERTO CARLOS GOMEZ REYES ENRIQUE CRISTIAN VAZQUEZ SEMADENI	ASTROPHYSICAL JOURNAL	2014
65	Analysis of the spiral structure in a simulated galaxy	M. Dolores Mata Chavez GILBERTO CARLOS GOMEZ REYES Puerari, Ivanio	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2014
66	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
67	Molecular cloud evolution-V. Cloud destruction by stellar feedback	PEDRO COLIN ALMAZAN ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2013

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68	THE FREE-FALL TIME OF FINITE SHEETS AND FILAMENTS	Jesus A. Toala ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES	ASTROPHYSICAL JOURNAL	2012
69	ASPECT RATIO DEPENDENCE OF THE FREE-FALL TIME FOR NON-SPHERICAL SYMMETRIES	Jesus A. Toala ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES et al.	ASTROPHYSICAL JOURNAL	2012
70	Molecular cloud evolution - IV. Magnetic fields, ambipolar diffusion and the star formation efficiency	ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES Banerjee, Robi et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2011
71	Numerical models for the 19th century outbursts of η Carinae	RICARDO FRANCISCO GONZALEZ DOMINGUEZ GILBERTO CARLOS GOMEZ REYES ALEJANDRO CRISTIAN RAGA RASMUSSEN et al.	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2011
72	Revisiting 2D numerical models for the 19th century outbursts of η Carinae	RICARDO FRANCISCO GONZALEZ DOMINGUEZ A. M. Villa GILBERTO CARLOS GOMEZ REYES et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2010
73	MOLECULAR CLOUD EVOLUTION. III. ACCRETION VERSUS STELLAR FEEDBACK	ENRIQUE CRISTIAN VAZQUEZ SEMADENI PEDRO COLIN ALMAZAN GILBERTO CARLOS GOMEZ REYES et al.	ASTROPHYSICAL JOURNAL	2010
74	Dependence of the star formation efficiency on global parameters of molecular clouds	Yetli Rosas Guevara ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2010
75	COMPETITIVE ACCRETION IN A SHEET GEOMETRY AND THE STELLAR IMF	GILBERTO CARLOS GOMEZ REYES Hsu, Wen-Hsin Hartmann, Lee et al.	ASTROPHYSICAL JOURNAL	2010
76	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
77	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

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78	HIGH-AND LOW-MASS STAR-FORMING REGIONS FROM HIERARCHICAL GRAVITATIONAL FRAGMENTATION. HIGH LOCAL STAR FORMATION RATES WITH LOW GLOBAL EFFICIENCIES	ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES JAVIER BALLESTEROS PAREDES et al.	ASTROPHYSICAL JOURNAL	2009
79	EFFECTS OF NON-CIRCULAR MOTIONS ON AZIMUTHAL COLOR GRADIENTS	ROSA AMELIA GONZALEZ LOPEZ LIRA GILBERTO CARLOS GOMEZ REYES Martinez-Garcia, Eric E.	ASTROPHYSICAL JOURNAL	2009
80	Gas orbits in a spiral potential	GILBERTO CARLOS GOMEZ REYES MARCO ANTONIO MARTOS NUÑEZ DE CACERES	Astrophysics and Space Science Proceedings	2009
81	Formation and collapse of quiescent cloud cores induced by dynamic compressions	GILBERTO CARLOS GOMEZ REYES ENRIQUE CRISTIAN VAZQUEZ SEMADENI JAVIER BALLESTEROS PAREDES et al.	ASTROPHYSICAL JOURNAL	2007
82	Molecular cloud evolution. II. From cloud formation to the early stages of star formation in decaying conditions	ENRIQUE CRISTIAN VAZQUEZ SEMADENI GILBERTO CARLOS GOMEZ REYES JAVIER BALLESTEROS PAREDES et al.	ASTROPHYSICAL JOURNAL	2007
83	Errors in kinematic distances and our image of the milky way galaxy	GILBERTO CARLOS GOMEZ REYES	ASTRONOMICAL JOURNAL	2006
84	The effect of the Coriolis Force on kelvin-helmholtz-driven mixing in protoplanetary disks	GILBERTO CARLOS GOMEZ REYES Ostriker E.C.	ASTROPHYSICAL JOURNAL	2005
85	Three-dimensional magnetohydrodynamic modeling of the gaseous structure of the galaxy: Synthetic observations	GILBERTO CARLOS GOMEZ REYES Cox D.P.	ASTROPHYSICAL JOURNAL	2004
86	Three-dimensional magnetohydrodynamic modeling of the gaseous structure of the galaxy: Description of the simulations	GILBERTO CARLOS GOMEZ REYES Cox D.P.	ASTROPHYSICAL JOURNAL	2004
87	A climatology of convective activity in the western end of the Isthmus of Tehuantepec	GRACIELA LUCIA BINIMELIS DE RAGA GILBERTO CARLOS GOMEZ REYES Sosa K. et al.	26th Conference On Hurricanes And Tropical Meteorology	2004
88	Multitemporal land-cover classification of Mexico using Landsat MSS imagery	ROMAN ALVAREZ BEJAR ROBERTO BONIFAZ ALFONZO GILBERTO CARLOS GOMEZ REYES et al.	INTERNATIONAL JOURNAL OF REMOTE SENSING	2003

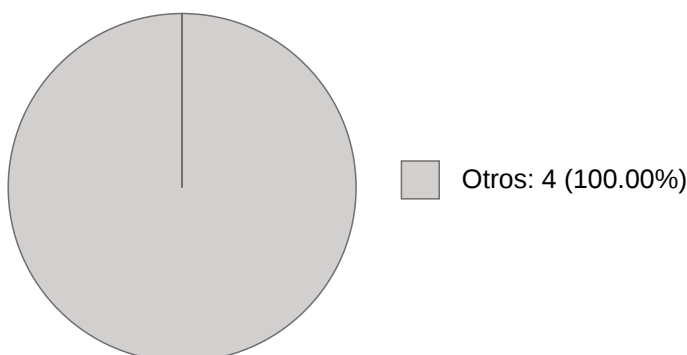
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89	A model for the galactic free-electron distribution	GILBERTO CARLOS GOMEZ REYES Benjamin R.A. Cox D.P.	REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA, SERIE DE CONFERENCIAS	2002
90	Three-dimensional magnetohydrodynamic modeling of the gaseous structure of the galaxy: Setup and initial results	GILBERTO CARLOS GOMEZ REYES Cox D.P.	ASTROPHYSICAL JOURNAL	2002
91	A reexamination of the distribution of galactic free electrons	GILBERTO CARLOS GOMEZ REYES Benjamin R.A. Cox D.P.	ASTRONOMICAL JOURNAL	2001

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

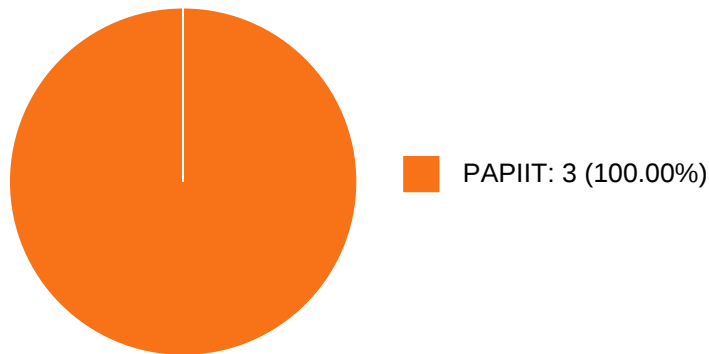


#	Título	Autores	Alcance	Año	ISBN
1	Dark matter phase-space density distribution in dwarf spheroidal galaxies	GILBERTO CARLOS GOMEZ REYES Krut A. Argüelles C.R. et al.	Conferenc e Paper	2018	9789813226593
2	Comparing Gaseous and Stellar Orbits in a Spiral Potential	GILBERTO CARLOS GOMEZ REYES BARBARA SELEN PICHARDO SILVA MARCO ANTONIO MARTOS NUÑEZ DE CACERES et al.	Proceedin gs Paper	2014	9781583818442
3	Analyzing Spiral Structure in a Galactic Disk with a Gaseous Component	GILBERTO CARLOS GOMEZ REYES M. Dolores Mata-Chavez Ivanio Puerari et al.	Proceedin gs Paper	2014	9781583818442
4	Hydrodynamical Simulations of the Barred Galaxy NGC 4314: Gas Orbits in the Bar Region	GILBERTO CARLOS GOMEZ REYES Mariana Ramos-Martinez MS Seigar et al.	Proceedin gs Paper	2014	9781583818442

GILBERTO CARLOS GOMEZ REYES

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

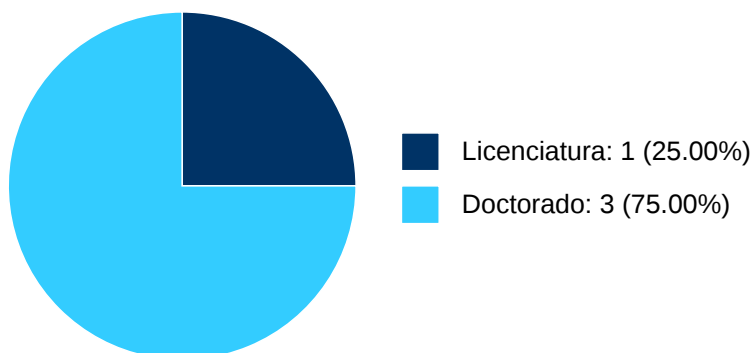


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Formación y evolución de nubes moleculares en el contexto galáctico	GILBERTO CARLOS GOMEZ REYES	Recursos PAPIIT	01-01-2016	31-12-2018
2	Efectos de acreción hacia filamentos y grumos en nubes moleculares	GILBERTO CARLOS GOMEZ REYES	Recursos PAPIIT	01-01-2022	31-12-2023
3	Señales químicas de acreción en subestructuras de nubes moleculares	GILBERTO CARLOS GOMEZ REYES	Recursos PAPIIT	01-01-2024	31-12-2025

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

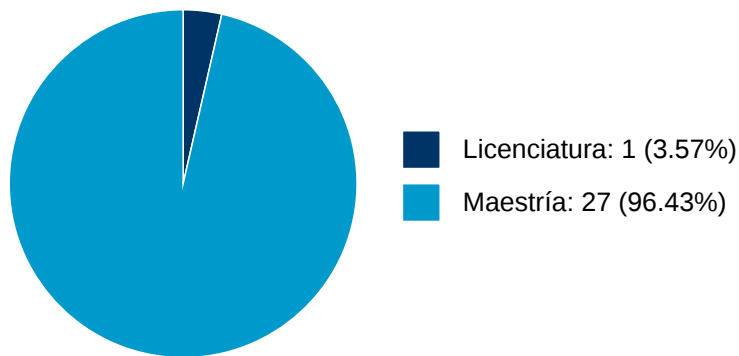


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Campos magnéticos en la formación de nubes en el medio interestelar	Tesis de Doctorado	GILBERTO CARLOS GOMEZ REYES,	Granda Muñoz, Guido Elar,	Instituto de Radioastronomía y Astrofísica,	2023
2	Uso de constantes de oort para caracterizar cinemática en la vecindad solar	Tesis de Licenciatura	GILBERTO CARLOS GOMEZ REYES,	Benitez Abarca, Crhistian Alejandro,	Instituto de Radioastronomía y Astrofísica,	2021
3	Simulaciones MHD de galaxias medusa	Tesis de Doctorado	GILBERTO CARLOS GOMEZ REYES,	Ramos Martínez, Mariana Violeta,	Instituto de Radioastronomía y Astrofísica,	2019
4	Modelos globales de discos galácticos	Tesis de Doctorado	GILBERTO CARLOS GOMEZ REYES,	Mata Chávez, María Dolores,	Centro de Radioastronomía y Astrofísica en Morelia, Mich.,	2015

GILBERTO CARLOS GOMEZ REYES

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	DINÁMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Radioastronomía y Astrofísica	1	2024-1
2	Maestría	DINÁMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Radioastronomía y Astrofísica	6	2023-2
3	Maestría	SEMINARIO DE GRADUACIÓN	Instituto de Radioastronomía y Astrofísica	1	2023-2
4	Maestría	SEMINARIO DE INVESTIGACIÓN II DE LOS CAMPOS DE CONOCIMIENTO TEÓRICA, OBSERVACIONAL, CAMPOS PART	Instituto de Radioastronomía y Astrofísica	1	2023-1
5	Maestría	DINÁMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Radioastronomía y Astrofísica	10	2022-2
6	Maestría	SEMINARIO DE INVESTIGACIÓN I DE LOS CAMPOS DE CONOCIMIENTO TEÓRICA, OBSERVACIONAL, CAMPOS PART	Instituto de Radioastronomía y Astrofísica	1	2022-2
7	Maestría	PROBLEMAS CONTEMPORÁNEOS DE ASTROFÍSICA COMPUTACIONAL DEL CAMPO DE CONOCIMIENTO TEÓRICA	Instituto de Radioastronomía y Astrofísica	3	2022-1

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8	Maestría	SEMINARIO DE INVESTIGACIÓN I DE LOS CAMPOS DE CONOCIMIENTO TEÓRICA, OBSERVACIONAL, CAMPOS PART	Instituto de Radioastronomía y Astrofísica	1	2022-1
9	Maestría	DINÁMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Radioastronomía y Astrofísica	5	2021-1
10	Maestría	DINÁMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Radioastronomía y Astrofísica	4	2020-1
11	Maestría	DINÁMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Radioastronomía y Astrofísica	3	2019-1
12	Maestría	PROBLEMAS CONTEMPORÁNEOS DE ASTROFÍSICA COMPUTACIONAL DEL CAMPO DE CONOCIMIENTO TEOR.	Instituto de Radioastronomía y Astrofísica	3	2018-2
13	Maestría	DINÁMICA Y ESTRUCTURA DE GALAXIAS	Instituto de Radioastronomía y Astrofísica	2	2018-1
14	Maestría	ESTUDIOS DE FRONTERAS EN ASTROFISICA-394824	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	1	2017-1
15	Licenciatura	SERVICIOS DE TECNOLOGIA	Escuela Nacional de Estudios Superiores, Unidad Morelia, Michoacán	2	2017-1
16	Maestría	DINAMICA Y ESTRUCTURA DE GALAXIAS	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	3	2016-2
17	Maestría	ASTROFISICA TEORICA - PROBLEMAS CONTEMPORANEOS DE ASTROFISICA COMPUTACIONAL	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	4	2015-1
18	Maestría	DINAMICA Y ESTRUCTURA DE GALAXIAS	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	3	2014-2
19	Maestría	SEMINARIO DE INVESTIGACION IV	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	1	2014-1

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20	Maestría	SEMINARIO DE GRADUACION	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	1	2013-2
21	Maestría	SEMINARIO DE INVESTIGACION III	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	1	2013-2
22	Maestría	DINAMICA Y ESTRUCTURA DE GALAXIAS	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	8	2013-2
23	Maestría	DINAMICA Y ESTRUCTURA DE GALAXIAS	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	5	2012-2
24	Maestría	SEMINARIO DE INVESTIGACION I	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	1	2012-2
25	Maestría	ASTRONOMIA EXTRAGALACTICA Y COSMOLOGIA	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	3	2011-1
26	Maestría	SEMINARIO DE INVESTIGACION III	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	1	2010-2
27	Maestría	SEMINARIO DE INVESTIGACION II	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	2	2010-1
28	Maestría	SEMINARIO DE INVESTIGACION I	Centro de Radioastronomía y Astrofísica en Morelia, Mich.	2	2009-1



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



GILBERTO CARLOS GOMEZ REYES

PATENTES

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

GILBERTO CARLOS GOMEZ REYES

GILBERTO CARLOS GOMEZ REYES

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