



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



BERNARDO VARGAS CARDENAS

Datos Generales

Nombre: BERNARDO VARGAS CARDENAS

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 5 años

Nombramientos

Último: PROFESOR ASIGNATURA A TP No Definitivo

Facultad de Ciencias

Desde 01-05-2015 hasta 15-08-2015

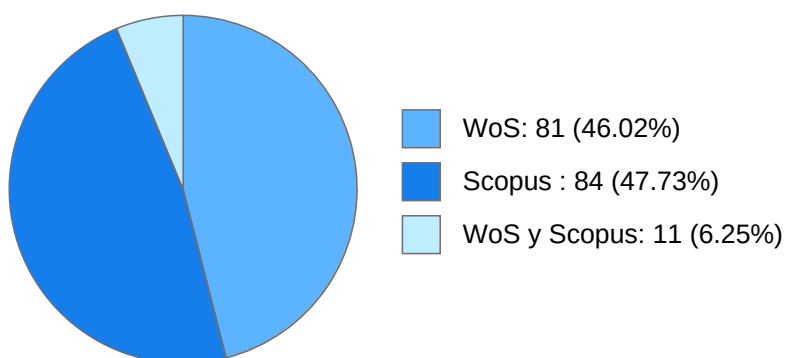
Estímulos, programas, premios y reconocimientos

SNI C 2014 - 2018

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	A 3-Year Sample of Almost 1,600 Elves Recorded Above South America by the Pierre Auger Cosmic-Ray Observatory	JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA et al.	Earth And Space Science	2020
2	Cosmic-Ray Anisotropies in Right Ascension Measured by the Pierre Auger Observatory	JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA et al.	ASTROPHYSICAL JOURNAL	2020
3	Search for magnetically-induced signatures in the arrival directions of ultra-high-energy cosmic rays measured at the Pierre Auger Observatory	GUILLERMINA AVILA RAMIREZ JUAN CARLOS D'OLIVO SAEZ HORACIO MARTINEZ VALENCIA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2020
4	Direct measurement of the muonic content of extensive air showers between 2×10^{17} and 2×10^{18} eV at the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO ALDO BLANCO JARVIO JUAN CARLOS D'OLIVO SAEZ et al.	EUROPEAN PHYSICAL JOURNAL C	2020
5	Measurement of the cosmic-ray energy spectrum above 2.5×10^{18} eV using the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO GUILLERMINA AVILA RAMIREZ JUAN CARLOS D'OLIVO SAEZ et al.	PHYSICAL REVIEW D	2020
6	Studies on the response of a water-Cherenkov detector of the Pierre Auger Observatory to atmospheric muons using an RPC hodoscope	JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA et al.	JOURNAL OF INSTRUMENTATION	2020

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7	A Search for Ultra-high-energy Neutrinos from TXS 0506+056 Using the Pierre Auger Observatory	GUILLERMINA AVILA RAMIREZ JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	ASTROPHYSICAL JOURNAL	2020
8	Reconstruction of events recorded with the surface detector of the Pierre Auger Observatory	JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA et al.	JOURNAL OF INSTRUMENTATION	2020
9	Measurement of the average shape of longitudinal profiles of cosmic-ray air showers at the Pierre Auger Observatory	JUAN CARLOS D'OLIVO SAEZ HORACIO MARTINEZ VALENCIA GUSTAVO ADOLFO MEDINA TANCO et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2019
10	Multi-Messenger Physics With the Pierre Auger Observatory	JUAN CARLOS D'OLIVO SAEZ HORACIO MARTINEZ VALENCIA GUSTAVO ADOLFO MEDINA TANCO et al.	Frontiers In Astronomy And Space Sciences	2019
11	Data-driven estimation of the invisible energy of cosmic ray showers with the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	PHYSICAL REVIEW D	2019
12	Probing the origin of ultra-high-energy cosmic rays with neutrinos in the EeV energy range using the Pierre Auger Observatory	GUILLERMINA AVILA RAMIREZ JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2019
13	Limits on point-like sources of ultra-high-energy neutrinos with the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2019
14	An Indication of Anisotropy in Arrival Directions of Ultra-high-energy Cosmic Rays through Comparison to the Flux Pattern of Extragalactic Gamma-Ray Sources	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	ASTROPHYSICAL JOURNAL LETTERS	2018
15	Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory (vol 4, 038, 2017)	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ HORACIO MARTINEZ VALENCIA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2018
16	Observation of inclined EeV air showers with the radio detector of the Pierre Auger Observatory	JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2018

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17	Large-scale Cosmic-Ray Anisotropies above 4 EeV Measured by the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	ASTROPHYSICAL JOURNAL	2018
18	Search for UHE neutrinos in coincidence with LIGO GW150914 event with the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA et al.	Iau Symposium Proceedings Series	2017
19	The Pierre Auger Observatory status and latest results	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	EOS ANNUAL MEETING, EOSAM 2024	2017
20	Exploiting the radio signal from air showers: The AERA progress	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	EOS ANNUAL MEETING, EOSAM 2024	2017
21	The Pierre Auger Observatory Upgrade	JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA et al.	EOS ANNUAL MEETING, EOSAM 2024	2017
22	Astrophysical interpretation of Pierre Auger Observatory measurements of the UHECR energy spectrum and mass composition	JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA et al.	EOS ANNUAL MEETING, EOSAM 2024	2017
23	Impact of atmospheric effects on the energy reconstruction of air showers observed by the surface detectors of the Pierre Auger Observatory	JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA et al.	JOURNAL OF INSTRUMENTATION	2017
24	Muon counting using silicon photomultipliers in the AMIGA detector of the Pierre Auger observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	JOURNAL OF INSTRUMENTATION	2017
25	A Targeted Search for Point Sources of EeV Photons with the Pierre Auger Observatory	JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA et al.	ASTROPHYSICAL JOURNAL LETTERS	2017
26	Search for photons with energies above 10(18) eV using the hybrid detector of the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ HORACIO MARTINEZ VALENCIA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2017
27	Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2017

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28	Multi-resolution anisotropy studies of ultrahigh-energy cosmic rays detected at the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ BERNARDO VARGAS CARDENAS et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2017
29	Observation of a large-scale anisotropy in the arrival directions of cosmic rays above 8×10^{18} eV	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ HORACIO MARTINEZ VALENCIA et al.	Science	2017
30	Spectral calibration of the fluorescence telescopes of the Pierre Auger Observatory	JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA et al.	ASTROPARTICLE PHYSICS	2017
31	Calibration of the logarithmic-periodic dipole antenna (LPDA) radio stations at the Pierre Auger Observatory using an octocopter	JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA et al.	JOURNAL OF INSTRUMENTATION	2017
32	Inferences on mass composition and tests of hadronic interactions from 0.3 to 100 EeV using the water-Cherenkov detectors of the Pierre Auger Observatory	JUAN CARLOS D'OLIVO SAEZ HORACIO MARTINEZ VALENCIA GUSTAVO ADOLFO MEDINA TANCO et al.	PHYSICAL REVIEW D	2017
33	Ultrahigh-energy neutrino follow-up of gravitational wave events GW150914 and GW151226 with the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	PHYSICAL REVIEW D	2016
34	Nanosecond-level time synchronization of autonomous radio detector stations for extensive air showers	JUAN CARLOS D'OLIVO SAEZ HORACIO MARTINEZ VALENCIA GUSTAVO ADOLFO MEDINA TANCO et al.	JOURNAL OF INSTRUMENTATION	2016
35	Search for correlations between the arrival directions of IceCube neutrino events and ultrahigh-energy cosmic rays detected by the Pierre Auger Observatory and the Telescope Array	AMELIA OLIVAS SARABIA JUAN CARLOS D'OLIVO SAEZ HORACIO MARTINEZ VALENCIA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2016
36	Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	JOURNAL OF INSTRUMENTATION	2016
37	Search for ultrarelativistic magnetic monopoles with the Pierre Auger observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ HORACIO MARTINEZ VALENCIA et al.	PHYSICAL REVIEW D	2016
38	Testing Hadronic Interactions at Ultrahigh Energies with Air Showers Measured by the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	PHYSICAL REVIEW LETTERS	2016

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39	Evidence for a mixed mass composition at the 'ankle' in the cosmic-ray spectrum	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	PHYSICS LETTERS B	2016
40	Azimuthal asymmetry in the risetime of the surface detector signals of the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	PHYSICAL REVIEW D	2016
41	Energy estimation of cosmic rays with the Engineering Radio Array of the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	PHYSICAL REVIEW D	2016
42	Measurement of the Radiation Energy in the Radio Signal of Extensive Air Showers as a Universal Estimator of Cosmic-Ray Energy	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	PHYSICAL REVIEW LETTERS	2016
43	Erratum: Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth (Physical Review D - Particles, Fields, Gravitation and Cosmology (2014) 90 (012012))	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	PHYSICAL REVIEW D	2015
44	Muons in air showers at the Pierre Auger Observatory: Mean number in highly inclined events	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	PHYSICAL REVIEW D	2015
45	Large scale distribution of ultra high energy cosmic rays detected at the Pierre Auger observatory with zenith angles up to 80°	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPHYSICAL JOURNAL	2015
46	Search for patterns by combining cosmic-ray energy and arrival directions at the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	EUROPEAN PHYSICAL JOURNAL C	2015
47	The Pierre Auger Cosmic Ray Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO C. D'Olivio et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATO RS SPECTROMETER S DETECTORS AND ASSOCIATED EQUIPMENT	2015

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48	Measurement of the cosmic ray spectrum above 4×10^{18} eV using inclined events detected with the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2015
49	Depth of maximum of air-shower profiles at the Pierre Auger Observatory. I. Measurements at energies above $10^{17.8}$ eV	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	PHYSICAL REVIEW D	2014
50	Depth of maximum of air-shower profiles at the Pierre Auger Observatory. II. Composition implications	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	PHYSICAL REVIEW D	2014
51	Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	PHYSICAL REVIEW D	2014
52	Reconstruction of inclined air showers detected with the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2014
53	Searches for large-scale anisotropy in the arrival directions of cosmic rays detected above energy of 10^{19} eV at the Pierre Auger Observatory and the telescope array	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPHYSICAL JOURNAL	2014
54	Constraints on the origin of cosmic rays above 10^{18} eV from large-scale anisotropy searches in data of the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPHYSICAL JOURNAL LETTERS	2013
55	Interpretation of the depths of maximum of extensive air showers measured by the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2013
56	Ultrahigh energy neutrinos at the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ADVANCES IN HIGH ENERGY PHYSICS	2013
57	Bounds on the density of sources of ultra-high energy cosmic rays from the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2013

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58	Identifying clouds over the Pierre Auger Observatory using infrared satellite data	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPARTICLE PHYSICS	2013
59	Search for signatures of magnetically-induced alignment in the arrival directions measured by the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPARTICLE PHYSICS	2012
60	Description of atmospheric conditions at the Pierre Auger Observatory using the Global Data Assimilation System (GDAS)	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ C. De Donato et al.	ASTROPARTICLE PHYSICS	2012
61	A search for anisotropy in the arrival directions of ultra high energy cosmic rays recorded at the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2012
62	The Lateral Trigger Probability function for the Ultra-High Energy Cosmic Ray Showers detected by the Pierre Auger Observatory (vol 35, pg 266, 2011)	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPARTICLE PHYSICS	2012
63	Measurement of the Proton-Air Cross Section at root s=57 TeV with the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	PHYSICAL REVIEW LETTERS	2012
64	The rapid atmospheric monitoring system of the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	JOURNAL OF INSTRUMENTATI ON	2012
65	Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	JOURNAL OF INSTRUMENTATI ON	2012
66	A SEARCH FOR POINT SOURCES OF EeV NEUTRONS	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPHYSICAL JOURNAL	2012
67	LARGE-SCALE DISTRIBUTION OF ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE 10(18) eV AT THE PIERRE AUGER OBSERVATORY	BERNARDO VARGAS CARDENAS J. Alvarez Castillo JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	2012
68	Results of a self-triggered prototype system for radio-detection of extensive air showers at the Pierre Auger Observatory	GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA JOSE FRANCISCO VALDES GALICIA et al.	JOURNAL OF INSTRUMENTATI ON	2012

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69	Erratum: Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory (Physical Review D – Particles, Fields, Gravitation and Cosmology (2011) 84 (122005))	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	PHYSICAL REVIEW D	2012
70	Identification of high energy solar particle signals on the Mexico City neutron monitor database	BERNARDO VARGAS CARDENAS JOSE FRANCISCO VALDES GALICIA	ADVANCES IN SPACE RESEARCH	2012
71	The effect of the geomagnetic field on cosmic ray energy estimates and large scale anisotropy searches on data from the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2011
72	Anisotropies and chemical composition of ultra-high energy cosmic rays using arrival directions measured by the Pierre Auger Observatory	JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA et al.	Proceedings Of The 32nd International Cosmic Ray Conference, Icrc 2011	2011
73	Search for solar energetic particle signals in the Mexico City neutron monitor database	BERNARDO VARGAS CARDENAS Valdés-Galicia J.F.	Iau Symposium Proceedings Series	2011
74	Anisotropy and chemical composition of ultra-high energy cosmic rays using arrival directions measured by the Pierre Auger Observatory	GUSTAVO ADOLFO MEDINA TANCO LUKAS NELLEN FILLA JOSE FRANCISCO VALDES GALICIA et al.	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	2011
75	Calculation of the magnetic rigidity cutoff and the asymptotic cone of acceptance for the site of the pierre auger observatory in malargüe, Argentina	BERNARDO VARGAS CARDENAS JOSE FRANCISCO VALDES GALICIA	Proceedings Of The 32nd International Cosmic Ray Conference, Icrc 2011	2011
76	Search for solar proton event signals on the Mexico City neutron monitor database	BERNARDO VARGAS CARDENAS JOSE FRANCISCO VALDES GALICIA	Proceedings Of The 32nd International Cosmic Ray Conference, Icrc 2011	2011
77	The exposure of the hybrid detector of the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPARTICLE PHYSICS	2011

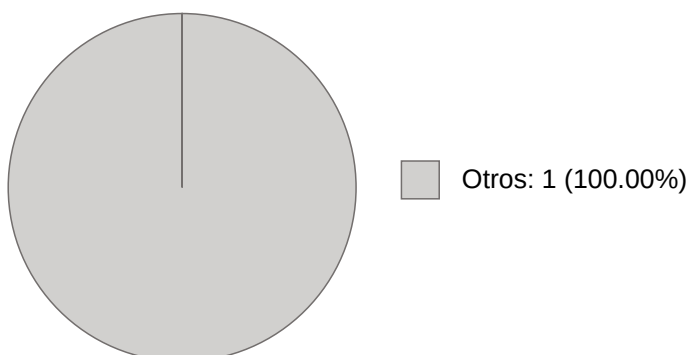
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78	Advanced functionality for radio analysis in the Offline software framework of the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATO RS SPECTROMETER S DETECTORS AND ASSOCIATED EQUIPMENT	2011
79	The Pierre Auger Observatory scaler mode for the study of solar activity modulation of galactic cosmic rays	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	JOURNAL OF INSTRUMENTATI ON	2011
80	The Lateral Trigger Probability function for the Ultra-High Energy Cosmic Ray showers detected by the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPARTICLE PHYSICS	2011
81	Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	PHYSICAL REVIEW D	2011
82	Statistical analysis of dynamical parameters of solar ejections observed from 1996 to 2006	Guadalupe Munoz BERNARDO VARGAS CARDENAS Luis Lopez-Lopez, Jose	REVISTA MEXICANA DE CIENCIAS GEOLOGICAS	2010
83	Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPARTICLE PHYSICS	2010
84	On the nature of the d Scuti star HD 115520	LESTER IVAN FOX MACHADO BERNARDO CERVANTES SODI BERNARDO VARGAS CARDENAS et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2008

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LIBROS Y CAPITULOS CON ISBN

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#	Título	Autores	Alcance	Año	ISBN
1	Wavelet and fractal frequency analysis of the Mexico City neutron monitor signal	BERNARDO VARGAS CARDENAS JOSE FRANCISCO VALDES GALICIA LIZBETH PEÑALOZA VELASCO et al.	Conferenc e Paper	2013	9788589064293



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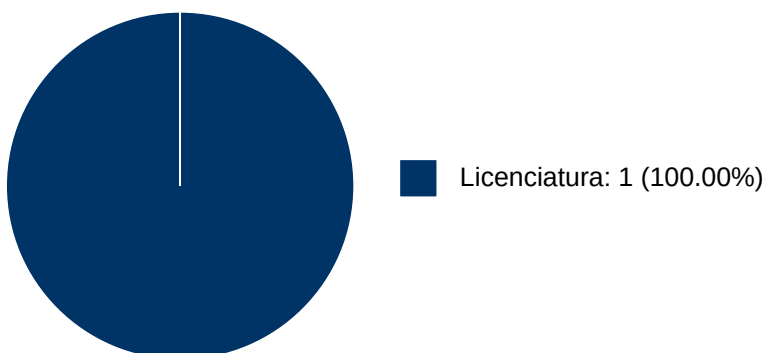
No se encuentran registros en la base de datos de SISEPRO asociados a:

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

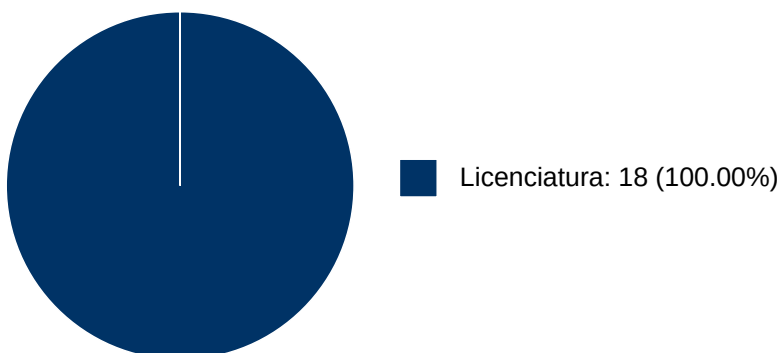


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Análisis fractal de las frecuencias de la intensidad de los rayos cósmicos en la Ciudad de México	Tesis de Licenciatura	BERNARDO VARGAS CARDENAS,	Peñaloza Velasco, Lizbeth,	Facultad de Ciencias,	2014

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	ANALISIS MATEMATICO III	Facultad de Ciencias	10	2015-2
2	Licenciatura	FISICA DE PLASMAS I	Facultad de Ciencias	8	2014-2
3	Licenciatura	ANALISIS DE FOURIER II	Facultad de Ciencias	3	2013-2
4	Licenciatura	ANALISIS DE FOURIER I	Facultad de Ciencias	5	2013-1
5	Licenciatura	ESTADISTICA APLICADA	Facultad de Ciencias	25	2013-1
6	Licenciatura	ANALISIS DE FOURIER I	Facultad de Ciencias	14	2012-2
7	Licenciatura	ANALISIS DE FOURIER II	Facultad de Ciencias	5	2012-2
8	Licenciatura	TEORIA DE LA MEDIDA I	Facultad de Ciencias	11	2012-1
9	Licenciatura	ANALISIS DE FOURIER I	Facultad de Ciencias	11	2012-1
10	Licenciatura	FUNC ESP Y TRANSF INTEGRALES	Facultad de Ciencias	3	2011-2
11	Licenciatura	ANALISIS DE FOURIER I	Facultad de Ciencias	4	2011-2
12	Licenciatura	ANALISIS DE FOURIER I	Facultad de Ciencias	7	2011-1
13	Licenciatura	CALCULO DE LAS VARIACIONES	Facultad de Ciencias	13	2011-1
14	Licenciatura	FUNC ESP Y TRANSF INTEGRALES	Facultad de Ciencias	6	2010-2
15	Licenciatura	VARIABLE COMPLEJA II	Facultad de Ciencias	10	2010-2
16	Licenciatura	FUNC ESP Y TRANSF INTEGRALES	Facultad de Ciencias	4	2010-1
17	Licenciatura	VARIABLE COMPLEJA I	Facultad de Ciencias	50	2010-1
18	Licenciatura	ANALISIS DE FOURIER I	Facultad de Ciencias	2	2009-1



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



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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