



JESUS ALVAREZ CASTILLO

Datos Generales

Nombre: JESUS ALVAREZ CASTILLO

Máximo nivel de estudios: MAESTRÍA

Antigüedad académica en la UNAM: 3 años

Nombramientos

Último: AYUDANTE PROFESOR A TP No Definitivo
Coordinación de Estudios de Posgrado
Desde 01-10-2011 hasta 15-03-2013

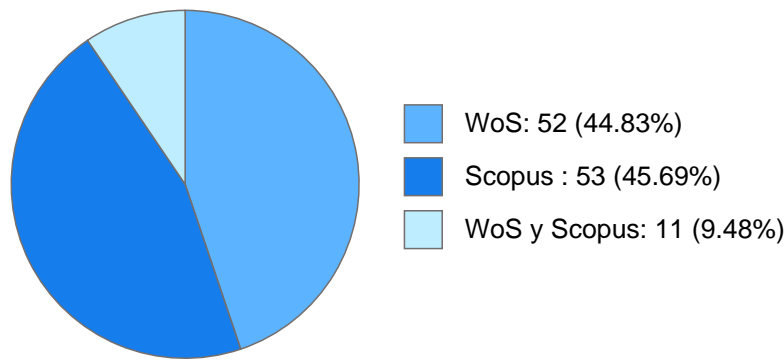
Estímulos, programas, premios y reconocimientos

No cuenta con estímulos, programas, premios y reconocimientos

JESUS ALVAREZ CASTILLO

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	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
2	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
3	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
4	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
5	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

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6	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 2017 Proceedings Series	2017
7	The Pierre Auger Observatory status and latest results	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	XLV SYMPOSIUM ON NUCLEAR PHYSICS 2024	2017
8	Exploiting the radio signal from air showers: The AERA progress	JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ GUSTAVO ADOLFO MEDINA TANCO et al.	XLV SYMPOSIUM ON NUCLEAR PHYSICS 2024	2017
9	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
10	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
11	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
12	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
13	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
14	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
15	Search for gamma-rays from the unusually bright GRB 130427a with the hawc gamma-ray observatory	JOSE RUBEN ALFARO MOLINA JESUS ALVAREZ CASTILLO NISSIM ILLICH FRAIJA CABRERA et al.	ASTROPHYSICAL JOURNAL	2015
16	VAMOS: A pathfinder for the HAWC gamma-ray observatory	JOSE RUBEN ALFARO MOLINA JESUS ALVAREZ CASTILLO FERNANDO ANGELES URIBE et al.	ASTROPARTICLE PHYSICS	2015
17	Milagro limits and HAWC sensitivity for the rate-density of evaporating Primordial Black Holes	JOSE RUBEN ALFARO MOLINA JESUS ALVAREZ CASTILLO ERNESTO JOSE MARIA DE LA SALETE BELMONT MORENO et al.	ASTROPARTICLE PHYSICS	2015

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18	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
19	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
20	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
21	The Pierre Auger Cosmic Ray Observatory	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO C. D'Olivo et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATO RS SPECTROMETER S DETECTORS AND ASSOCIATED EQUIPMENT	2015
22	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
23	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
24	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
25	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
26	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

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27	Searches for large-scale anisotropy in the arrival directions of cosmic rays detected above energy of 1019 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
28	Constraints on the origin of cosmic rays above 1018 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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	SEARCH FOR POINT-LIKE SOURCES OF ULTRA-HIGH ENERGY NEUTRINOS AT THE PIERRE AUGER OBSERVATORY AND IMPROVED LIMIT ON THE DIFFUSE FLUX OF TAU NEUTRINOS	B. Vargas Cardenas JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPHYSICAL JOURNAL LETTERS	2012
39	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
40	Measurement of the cosmic ray energy spectrum using hybrid events of the Pierre Auger Observatory	JESUS ALVAREZ CASTILLO Abreu, P. Abreu, P. et al.	EUROPEAN PHYSICAL JOURNAL PLUS	2012
41	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
42	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
43	A SEARCH FOR POINT SOURCES OF EeV NEUTRONS	BERNARDO VARGAS CARDENAS JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPHYSICAL JOURNAL	2012
44	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
45	Search for first harmonic modulation in the right ascension distribution of cosmic rays detected at the Pierre Auger Observatory	B. Vargas Cardenas JESUS ALVAREZ CASTILLO JUAN CARLOS D'OLIVO SAEZ et al.	ASTROPARTICLE PHYSICS	2011

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46	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
47	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
48	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
49	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
50	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
51	Signatures of thunderstorms in the variations of the secondary cosmic rays registered in Mexico City	JESUS ALVAREZ CASTILLO JOSE FRANCISCO VALDES GALICIA	JOURNAL OF ATMOSPHERIC AND SOLAR-TERREST RIAL PHYSICS	2010
52	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
53	Electric storm effects on the soft and hard cosmic ray components observed in Mexico city	JESUS ALVAREZ CASTILLO JOSE FRANCISCO VALDES GALICIA	Proceedings Of The 30th International Cosmic Ray Conference, Icrc 2007	2007



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



JESUS ALVAREZ CASTILLO

LIBROS Y CAPITULOS CON ISBN

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

JESUS ALVAREZ CASTILLO



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



JESUS ALVAREZ CASTILLO

PARTICIPACIÓN EN PROYECTOS

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

JESUS ALVAREZ CASTILLO



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



JESUS ALVAREZ CASTILLO

PARTICIPACIÓN EN TESIS

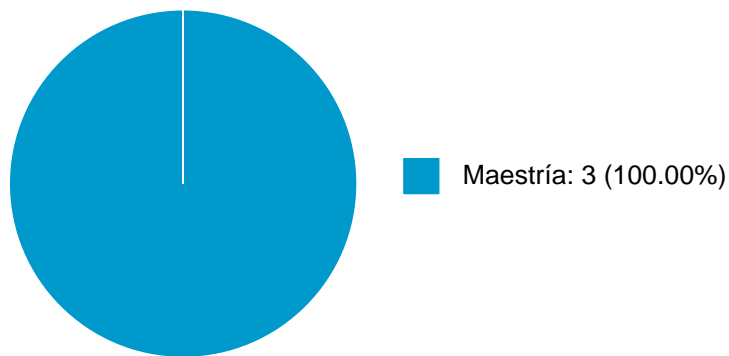
No se encuentran registros en la base de datos de TESIUNAM asociados a:

JESUS ALVAREZ CASTILLO

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	FISICA DE PLASMAS	Instituto de Geofísica	2	2013-1
2	Maestría	FISICA DE PLASMAS	Instituto de Geofísica	1	2012-1
3	Maestría	MAGNETO-HIDRODINAMICA I	Instituto de Geofísica	3	2010-2



JESUS ALVAREZ CASTILLO

PATENTES

#	Título	Inventores	Sección	Año
1	DISPOSITIVO ELECTRONICO DE PROTECCION DE TRANSICION DE CORRIENTE Y VOLTAJE.	JESUS ALVAREZ CASTILLO,	ELECTRICITY	2013
2	INVERSOR RESONANTE INTELIGENTE.	RICARDO GARIBAY JIMENEZ, JESUS ALVAREZ CASTILLO,	ELECTRICITY	2013

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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	2008-2024
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